

Antenna Subsystem and IBC Solutions

- Passive component
- Indoor Antenna
- Accessory

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| Coupler | Type | Frequency (MHz) | Insertion Loss (dB) | Coupling (dB) | Isolation (dB) | Page |
| | 5 dB | 690-3800 | ≤2.15 | 5±0.8 | ≥23 | 10 |
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| IBS Antenna | | | | | | |
| Omni Antenna | Type | Frequency (MHz) | HPBW (°) | Gain (dBi) | Dimension (mm) | Page |
| | SISO | 690-960 | 360 | 2 | Φ203 × 115 | 27 |
| | | 1710-2700 | | 3.5 | | |
| | | 3000-3800 | | 3.5 | | |
| | MIMO | 690-960 | 360 | 3.5 | Φ266 × 18 | 28 |
| 1710-2700 | | 4.5 | | | | |
| | | 3000-3800 | 5 | | | |

| | Type | Frequency (MHz) | HPBW (°) | Gain (dBi) | Dimension (mm) | Page |
|---------------|------|-----------------|----------|------------|----------------|------|
| Panel Antenna | SISO | 690-960 | 80 | 6 | 180 × 170 × 60 | 29 |
| | | 1710-2700 | 65 | 7.5 | | |
| | | 3000-3800 | 55 | 6 | | |
| | MIMO | 690-960 | 80 | 5.5 | 404 × 180 × 62 | 30 |
| | | 1710-2700 | 65 | 7 | | |
| | | 3000-3800 | 55 | 6 | | |

| | Type | Frequency (MHz) | HPBW (°) | Gain (dBi) | Dimension (mm) | Page |
|---------------------|------------|-----------------|----------|------------|----------------|------|
| Transparent Antenna | SISO Omni | 880-960 | 360 | 1 | 126 × 126 × 5 | 31 |
| | | 1710-2675 | | 2-3.5 | | |
| | MIMO Panel | 1710-1880 | 55 | 12.5 | 489 × 180 × 60 | 32 |
| | | 1880-1920 | | 13 | | |
| | | 2010-2025 | | 13 | | |
| | | 2575-2635 | | 13.5 | | |

Accessory

| | Type | Inner conductor (mm) | Dielectric (mm) | Outer conductor (mm) | Jacket (mm) | Page |
|--------|-------|----------------------|-----------------|----------------------|-------------|------|
| Feeder | 1/2" | Ø4.8 | Ø12.1 | Ø13.9 | Ø16 | 33 |
| | 7/8" | Ø9 | Ø22.2 | Ø24.9 | Ø27.5 | 34 |
| | 5/4" | Ø13 | Ø32.2 | Ø35.8 | Ø39 | 35 |
| | 13/8" | Ø17.3 | Ø42.5 | Ø46.5 | Ø49.5 | 36 |

| | Type | Model | Page |
|-----------|--------------------------------|--------------------|------|
| Connector | N male for 1/2" Superflex | N-J-1/2"(B)-C | 37 |
| | N female for 1/2" Superflex | N-K-1/2"(B)-C | 37 |
| | DIN male for 1/2" Superflex | DIN-J-1/2"(B)-C | 37 |
| | DIN female for 1/2" Superflex | DIN-K-1/2"(B)-C | 37 |
| | 4.3/10 male for 1/2" Superflex | 4.3/10-J-1/2"(B)-C | 37 |
| | N male for 1/2" Feeder | N-J-1/2"(A)-C | 37 |
| | N female for 1/2" Feeder | N-K-1/2"(A)-C | 37 |
| | DIN male for 1/2" Feeder | DIN-J-1/2"(A)-C | 38 |
| | DIN female for 1/2" Feeder | DIN-K-1/2"(A)-C | 38 |
| | 4.3/10 male for 1/2" Feeder | 4.3/10-J-1/2"(A)-C | 38 |
| | 4.3/10 female for 1/2" Feeder | 4.3/10-K-1/2"(A)-C | 38 |
| | N male for 7/8" Feeder | N-J-7/8"(A)-C1 | 38 |
| | N female for 7/8" Feeder | N-K-7/8"(A)-C1 | 38 |
| | DIN male for 7/8" Feeder | DIN-J-7/8"(A)-C1 | 38 |
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| | 4.3/10 male for 7/8" Feeder | 4.3/10-J-7/8"(A)-C | 39 |
| | 4.3/10 female for 7/8" Feeder | 4.3/10-K-7/8"(A)-C | 39 |
| | N male for 1 1/4" Feeder | N-J-5/4"(A)-C | 39 |
| | N female for 1 1/4" Feeder | N-K-5/4"(A)-C | 39 |
| | DIN male for 1 1/4" Feeder | DIN-J-5/4"(A)-C | 39 |
| | DIN female for 1 1/4" Feeder | DIN-K-5/4"(A)-C | 39 |
| | N male for 1 5/8" Feeder | N-J-13/8"(A)-C | 39 |
| | N female for 1 5/8" Feeder | N-K-13/8"(A)-C | 39 |
| | DIN male for 1 5/8" Feeder | DIN-J-13/8"(A)-C | 40 |
| | DIN female for 1 5/8" Feeder | DIN-K-13/8"(A)-C | 40 |

| | Connector | Cable | Length | Page |
|--------|--|--|--------------|------|
| Jumper | N/ DIN/ 4.3-10 (Customizable) Straight/ Angle 90° (Customizable) Male/ Female (Customizable) | 1/2" Superflex or 1/2" flexible (Customizable) | Customizable | 41 |

HXCF-0703-0960-4-200M01

- ◆ 4 in 2 out Diplexer, frequency covers 703-803, 890-960 MHz.
- ◆ Designed for co-location purposes.
- ◆ Suitable for indoor and outdoor applications, pole or wall mounting.
- ◆ Double Unit (Single Unit is optional).
- ◆ Connectors type is customizable.

Electrical Specifications

| Frequency (MHz) | 703-803 | 890-960 |
|-----------------------------------|------------------|---------|
| Insertion Loss (dB) | ≤0.3 | ≤0.3 |
| Isolation (dB) | ≥50 | |
| VSWR | ≤1.25 | |
| Impedance (Ω) | 50 | |
| Max. power (W) | 200 | |
| Intermodulation (3rd order) (dBc) | ≤-155@2 × 43 dBm | |
| DC/AISG By Pass | Pass | |

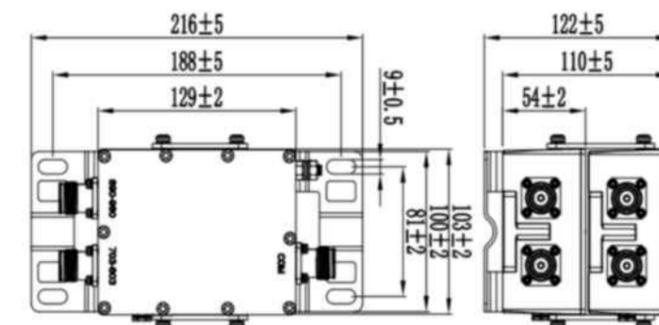
Mechanical Specifications

| | |
|--|-------------------|
| Connectors type | 6 × 4.3-10 Female |
| Weight (including connectors and mounting bracket) (kg) | 2.5 |
| Dimension (excluding connectors and mounting bracket) (mm) | 129 × 103 × 110 |

Environmental Specifications

| | |
|----------------------------|--------------------|
| Operating temperature (°C) | -25 to +65 |
| Lightning protection | 5kA 8/ 20 us pulse |
| Relative humidity | ≤95% |
| Applications | IP67 |

Dimensions (mm)



FHTC-0694-2690-4-300M01/W

- ◆ 4 in 1 out Quadplexer, frequency covers 694-960, 1710-1880, 1920-2170, 2300-2690 MHz.
- ◆ Designed for co-location purposes.
- ◆ Suitable for indoor and outdoor applications, pole or wall mounting.
- ◆ Single Unit (Double Unit is optional).
- ◆ Connectors type is customizable.

Electrical Specifications

| Frequency (MHz) | 694-960 | 1710-1880 | 1920-2170 | 2300-2690 |
|-----------------------------------|------------------|-----------|-----------|-----------|
| Insertion Loss (dB) | ≤0.4 | ≤0.4 | ≤0.4 | ≤0.4 |
| Isolation (dB) | ≥40 | | | |
| VSWR | ≤1.25 | | | |
| Impedance (Ω) | 50 | | | |
| Max. power (W) | 300 | | | |
| Intermodulation (3rd order) (dBc) | ≤-153@2 × 43 dBm | | | |
| DC/AISG By Pass | Pass | | | |

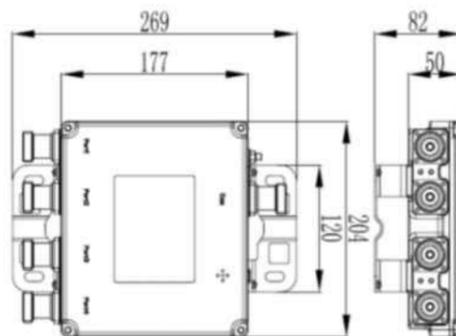
Mechanical Specifications

| | |
|--|-------------------|
| Connectors type | 5 × 4.3-10 Female |
| Weight (including connectors and mounting bracket) (kg) | 3.2 |
| Dimension (excluding connectors and mounting bracket) (mm) | 204 × 177 × 50 |

Environmental Specifications

| | |
|----------------------------|--------------------|
| Operating temperature (°C) | -25 to +65 |
| Lightning protection | 5kA 8/ 20 us pulse |
| Relative humidity | ≤95% |
| Applications | IP67 |

Dimensions (mm)



FHTC-0690-2700-5-250M01

- ◆ 5 in 1 out Pentaplexer, frequency covers 690-960, 1710-1880, 1920-2170, 2300-2400, 2500-2700 MHz.
- ◆ Designed for co-location purposes.
- ◆ Suitable for indoor and outdoor applications, pole or wall mounting.
- ◆ Single Unit (Double Unit is optional).
- ◆ Connectors type is customizable.

Electrical Specifications

| Frequency (MHz) | 690-960 | 1710-1880 | 1920-2170 | 2300-2400 | 2500-2700 |
|-----------------------------------|------------------|-----------|-----------|-----------|-----------|
| Insertion Loss (dB) | ≤0.4 | ≤0.4 | ≤0.4 | ≤0.4 | ≤0.4 |
| Isolation (dB) | ≥50 | | | | |
| VSWR | ≤1.25 | | | | |
| Impedance (Ω) | 50 | | | | |
| Max. power (W) | 250 | | | | |
| Intermodulation (3rd order) (dBc) | ≤-153@2 × 43 dBm | | | | |
| DC/AISG By Pass | Pass | | | | |

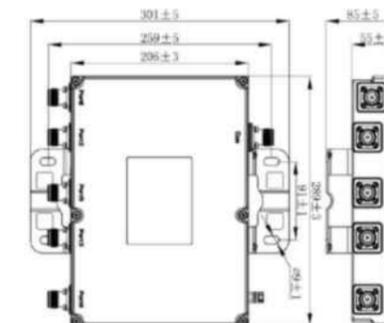
Mechanical Specifications

| | |
|--|-------------------|
| Connectors type | 6 × 4.3-10 Female |
| Weight (including connectors and mounting bracket) (kg) | 4.5 |
| Dimension (excluding connectors and mounting bracket) (mm) | 289 × 206 × 55 |

Environmental Specifications

| | |
|----------------------------|--------------------|
| Operating temperature (°C) | -25 to +65 |
| Lightning protection | 5kA 8/ 20 us pulse |
| Relative humidity | ≤95% |
| Applications | IP67 |

Dimensions (mm)



FHTC-0698-3800-5-250M01

- ◆ 5 in 1 out Pentaplexer, frequency covers 698-960, 1710-1880, 1920-2170, 2300-2690, 3300-3800 MHz.
- ◆ Designed for co-location purposes.
- ◆ Suitable for indoor and outdoor applications, pole or wall mounting.
- ◆ Single Unit (Double Unit is optional).
- ◆ Connectors type is customizable.

Electrical Specifications

| Frequency (MHz) | 690-960 | 1710-1880 | 1920-2170 | 2300-2690 | 3300-3800 |
|-----------------------------------|------------------|-----------|-----------|-----------|-----------|
| Insertion Loss (dB) | ≤0.4 | ≤0.4 | ≤0.4 | ≤0.4 | ≤0.4 |
| Isolation (dB) | ≥50 | | | | |
| VSWR | ≤1.25 | | | | |
| Impedance (Ω) | 50 | | | | |
| Max. power (W) | 250 | | | | |
| Intermodulation (3rd order) (dBc) | ≤-153@2 × 43 dBm | | | | |
| DC/AISG By Pass | Pass | | | | |

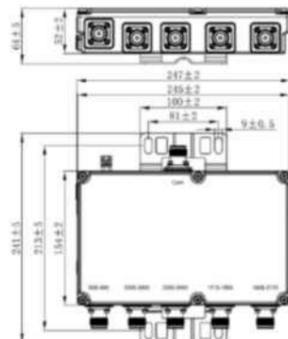
Mechanical Specifications

| | |
|--|-------------------|
| Connectors type | 6 × 4.3-10 Female |
| Weight (including connectors and mounting bracket) (kg) | 2.9 |
| Dimension (excluding connectors and mounting bracket) (mm) | 245 × 154 × 52 |

Environmental Specifications

| | |
|----------------------------|--------------------|
| Operating temperature (°C) | -25 to +65 |
| Lightning protection | 5kA 8/ 20 us pulse |
| Relative humidity | ≤95% |
| Applications | IP67 |

Dimensions (mm)



HXPD-0690-3800-2-500M01

- ◆ 2 way power splitter, frequency covers 690-3800 MHz.
- ◆ Designed for the decoupled combining of 1 transmitter or receiver signals and distributing the signal equally onto 2 antenna outputs.
- ◆ Suitable for indoor and outdoor applications, wall mounting.
- ◆ Connectors type is customizable.

Electrical Specifications

| | |
|-----------------------------------|------------------|
| Frequency (MHz) | 690-3800 |
| Insertion Loss (dB) | ≤3.3 |
| VSWR | ≤1.25 |
| Impedance (Ω) | 50 |
| Max. power (W) | 500 |
| Intermodulation (3rd order) (dBc) | ≤-155@2 × 43 dBm |

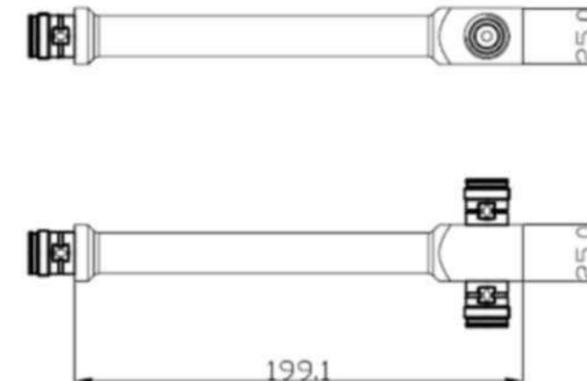
Mechanical Specifications

| | |
|--|-------------------|
| Connectors type | 3 × 4.3-10 Female |
| Weight (including connectors) (kg) | 0.21 |
| Dimension (excluding connectors and mounting bracket) (mm) | 199.1 × 25 × 25 |

Environmental Specifications

| | |
|----------------------------|------------|
| Operating temperature (°C) | -25 to +65 |
| Relative humidity | ≤95% |
| Applications | IP65 |

Dimensions (mm)



HXPD-0690-3800-3-500M01

- ◆ 3 way power splitter, frequency covers 690-3800 MHz.
- ◆ Designed for the decoupled combining of 1 transmitter or receiver signals and distributing the signal equally onto 3 antenna outputs.
- ◆ Suitable for indoor and outdoor applications, wall mounting.
- ◆ Connectors type is customizable.

Electrical Specifications

| | |
|-----------------------------------|------------------|
| Frequency (MHz) | 690-3800 |
| Insertion Loss (dB) | ≤5.3 |
| VSWR | ≤1.25 |
| Impedance (Ω) | 50 |
| Max. power (W) | 500 |
| Intermodulation (3rd order) (dBc) | ≤-155@2 × 43 dBm |

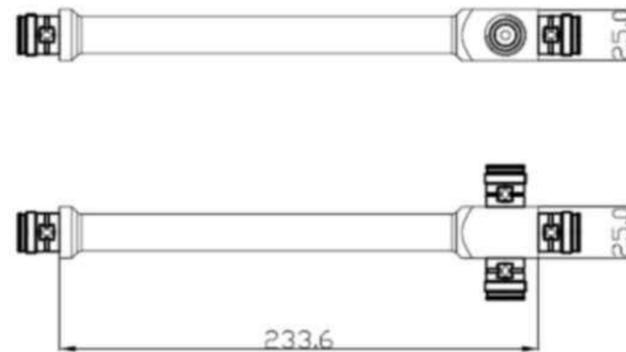
Mechanical Specifications

| | |
|--|-------------------|
| Connectors type | 4 × 4.3-10 Female |
| Weight (including connectors) (kg) | 0.25 |
| Dimension (excluding connectors and mounting bracket) (mm) | 233.6 × 25 × 25 |

Environmental Specifications

| | |
|----------------------------|------------|
| Operating temperature (°C) | -25 to +65 |
| Relative humidity | ≤95% |
| Applications | IP65 |

Dimensions (mm)



HXPD-0690-3800-4-500M01

- ◆ 4 way power splitter, frequency covers 690-3800 MHz.
- ◆ Designed for the decoupled combining of 1 transmitter or receiver signals and distributing the signal equally onto 4 antenna outputs.
- ◆ Suitable for indoor and outdoor applications, wall mounting.
- ◆ Connectors type is customizable.

Electrical Specifications

| | |
|-----------------------------------|------------------|
| Frequency (MHz) | 690-3800 |
| Insertion Loss (dB) | ≤6.6 |
| VSWR | ≤1.3 |
| Impedance (Ω) | 50 |
| Max. power (W) | 500 |
| Intermodulation (3rd order) (dBc) | ≤-155@2 × 43 dBm |

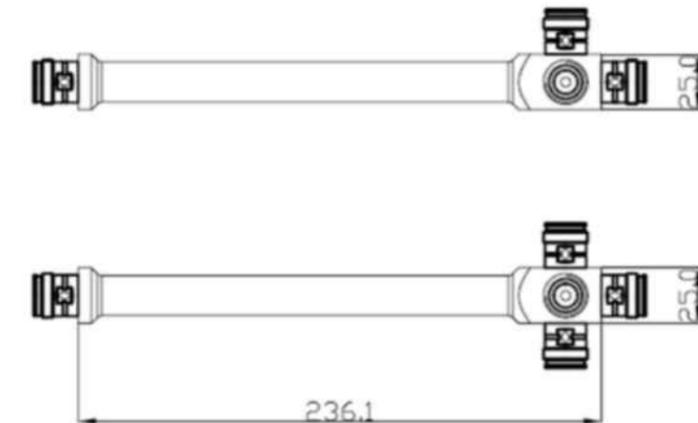
Mechanical Specifications

| | |
|--|-------------------|
| Connectors type | 5 × 4.3-10 Female |
| Weight (including connectors) (kg) | 0.29 |
| Dimension (excluding connectors and mounting bracket) (mm) | 236.1 × 25 × 25 |

Environmental Specifications

| | |
|----------------------------|------------|
| Operating temperature (°C) | -25 to +65 |
| Relative humidity | ≤95% |
| Applications | IP65 |

Dimensions (mm)



HXCP-0690-3800-05-500M01

- ◆ 5dB Coupler, frequency covers 690-3800 MHz.
- ◆ Designed for the decoupled combining of 1 transmitter or receiver signals and distributing the signal onto 1 main output & 1 coupling output.
- ◆ Suitable for indoor and outdoor applications, wall mounting.
- ◆ Connectors type is customizable.

Electrical Specifications

| | |
|-----------------------------------|------------------|
| Frequency (MHz) | 690-3800 |
| Coupling (dB) | 5±0.8 |
| Insertion Loss (dB) | ≤2.15 |
| Isolation (dB) | ≥23 |
| VSWR | ≤1.25 |
| Impedance (Ω) | 50 |
| Max. power (W) | 500 |
| Intermodulation (3rd order) (dBc) | ≤-155@2 × 43 dBm |

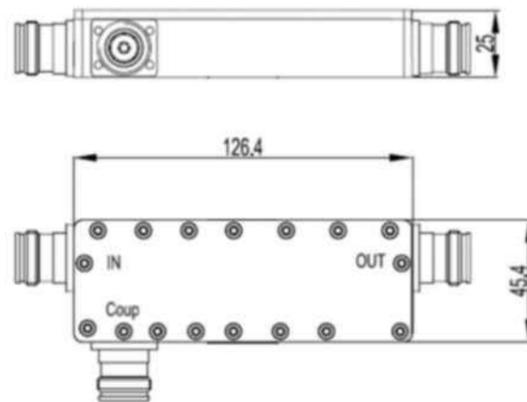
Mechanical Specifications

| | |
|--|-------------------|
| Connectors type | 3 × 4.3-10 Female |
| Weight (including connectors) (kg) | 0.54 |
| Dimension (excluding connectors and mounting bracket) (mm) | 126.4 × 45.4 × 25 |

Environmental Specifications

| | |
|----------------------------|------------|
| Operating temperature (°C) | -25 to +65 |
| Relative humidity | ≤95% |
| Applications | IP65 |

Dimensions (mm)



HXCP-0690-3800-06-500M01

- ◆ 6dB Coupler, frequency covers 690-3800 MHz.
- ◆ Designed for the decoupled combining of 1 transmitter or receiver signals and distributing the signal onto 1 main output & 1 coupling output.
- ◆ Suitable for indoor and outdoor applications, wall mounting.
- ◆ Connectors type is customizable.

Electrical Specifications

| | |
|-----------------------------------|------------------|
| Frequency (MHz) | 690-3800 |
| Coupling (dB) | 6±0.8 |
| Insertion Loss (dB) | ≤1.76 |
| Isolation (dB) | ≥24 |
| VSWR | ≤1.25 |
| Impedance (Ω) | 50 |
| Max. power (W) | 500 |
| Intermodulation (3rd order) (dBc) | ≤-155@2 × 43 dBm |

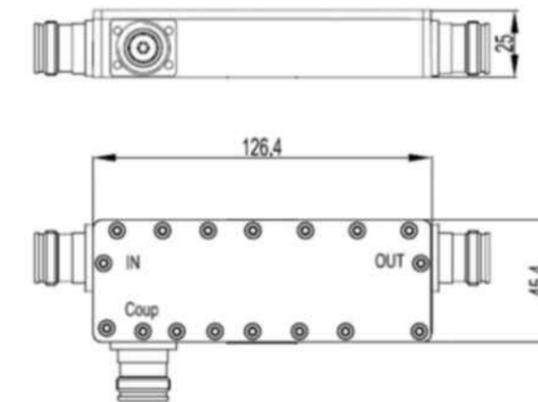
Mechanical Specifications

| | |
|--|-------------------|
| Connectors type | 3 × 4.3-10 Female |
| Weight (including connectors) (kg) | 0.54 |
| Dimension (excluding connectors and mounting bracket) (mm) | 126.4 × 45.4 × 25 |

Environmental Specifications

| | |
|----------------------------|------------|
| Operating temperature (°C) | -25 to +65 |
| Relative humidity | ≤95% |
| Applications | IP65 |

Dimensions (mm)



HXCP-0690-3800-07-500M01

- ◆ 7dB Coupler, frequency covers 690-3800 MHz.
- ◆ Designed for the decoupled combining of 1 transmitter or receiver signals and distributing the signal onto 1 main output & 1 coupling output.
- ◆ Suitable for indoor and outdoor applications, wall mounting.
- ◆ Connectors type is customizable.

Electrical Specifications

| | |
|-----------------------------------|------------------|
| Frequency (MHz) | 690-3800 |
| Coupling (dB) | 7±0.8 |
| Insertion Loss (dB) | ≤1.47 |
| Isolation (dB) | ≥25 |
| VSWR | ≤1.25 |
| Impedance (Ω) | 50 |
| Max. power (W) | 500 |
| Intermodulation (3rd order) (dBc) | ≤-155@2 × 43 dBm |

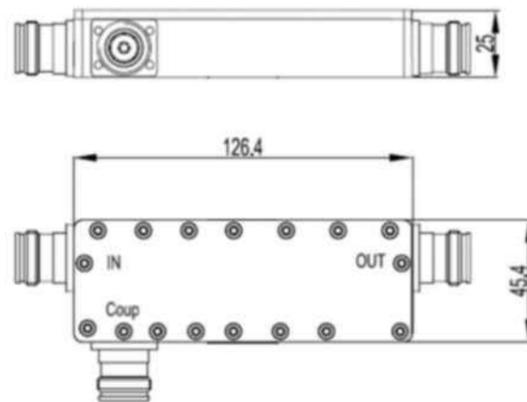
Mechanical Specifications

| | |
|--|-------------------|
| Connectors type | 3 × 4.3-10 Female |
| Weight (including connectors) (kg) | 0.54 |
| Dimension (excluding connectors and mounting bracket) (mm) | 126.4 × 45.4 × 25 |

Environmental Specifications

| | |
|----------------------------|------------|
| Operating temperature (°C) | -25 to +65 |
| Relative humidity | ≤95% |
| Applications | IP65 |

Dimensions (mm)



HXCP-0690-3800-10-500M01

- ◆ 10dB Coupler, frequency covers 690-3800 MHz.
- ◆ Designed for the decoupled combining of 1 transmitter or receiver signals and distributing the signal onto 1 main output & 1 coupling output.
- ◆ Suitable for indoor and outdoor applications, wall mounting.
- ◆ Connectors type is customizable.

Electrical Specifications

| | |
|-----------------------------------|------------------|
| Frequency (MHz) | 690-3800 |
| Coupling (dB) | 10±1.0 |
| Insertion Loss (dB) | ≤0.96 |
| Isolation (dB) | ≥28 |
| VSWR | ≤1.25 |
| Impedance (Ω) | 50 |
| Max. power (W) | 500 |
| Intermodulation (3rd order) (dBc) | ≤-155@2 × 43 dBm |

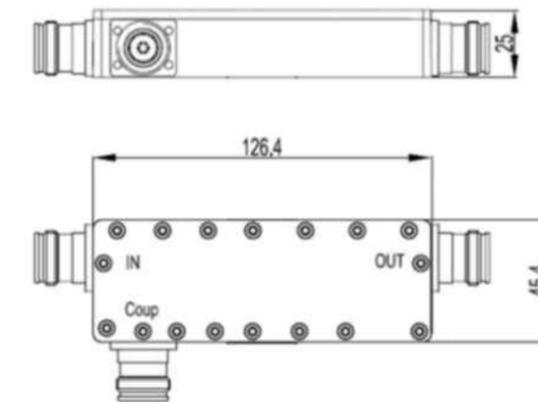
Mechanical Specifications

| | |
|--|-------------------|
| Connectors type | 3 × 4.3-10 Female |
| Weight (including connectors) (kg) | 0.54 |
| Dimension (excluding connectors and mounting bracket) (mm) | 126.4 × 45.4 × 25 |

Environmental Specifications

| | |
|----------------------------|------------|
| Operating temperature (°C) | -25 to +65 |
| Relative humidity | ≤95% |
| Applications | IP65 |

Dimensions (mm)



HXCP-0690-3800-20-500M01

- ◆ 20dB Coupler, frequency covers 690-3800 MHz.
- ◆ Designed for the decoupled combining of 1 transmitter or receiver signals and distributing the signal onto 1 main output & 1 coupling output.
- ◆ Suitable for indoor and outdoor applications, wall mounting.
- ◆ Connectors type is customizable.

Electrical Specifications

| | |
|-----------------------------------|------------------|
| Frequency (MHz) | 690-3800 |
| Coupling (dB) | 20±1.0 |
| Insertion Loss (dB) | ≤0.34 |
| Isolation (dB) | ≥38 |
| VSWR | ≤1.25 |
| Impedance (Ω) | 50 |
| Max. power (W) | 500 |
| Intermodulation (3rd order) (dBc) | ≤-155@2 × 43 dBm |

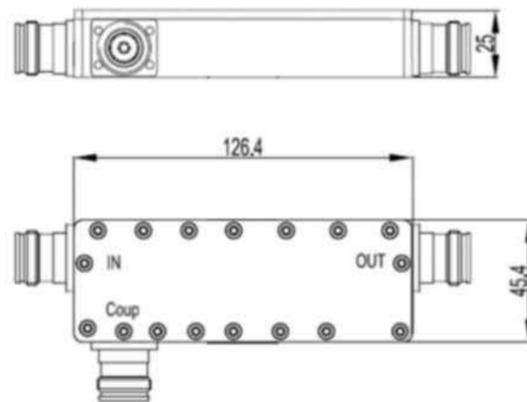
Mechanical Specifications

| | |
|--|-------------------|
| Connectors type | 3 × 4.3-10 Female |
| Weight (including connectors) (kg) | 0.54 |
| Dimension (excluding connectors and mounting bracket) (mm) | 126.4 × 45.4 × 25 |

Environmental Specifications

| | |
|----------------------------|------------|
| Operating temperature (°C) | -25 to +65 |
| Relative humidity | ≤95% |
| Applications | IP65 |

Dimensions (mm)



HXCP-0690-3800-30-500M01

- ◆ 30dB Coupler, frequency covers 690-3800 MHz.
- ◆ Designed for the decoupled combining of 1 transmitter or receiver signals and distributing the signal onto 1 main output & 1 coupling output.
- ◆ Suitable for indoor and outdoor applications, wall mounting.
- ◆ Connectors type is customizable.

Electrical Specifications

| | |
|-----------------------------------|------------------|
| Frequency (MHz) | 690-3800 |
| Coupling (dB) | 30±1.5 |
| Insertion Loss (dB) | ≤0.3 |
| Isolation (dB) | ≥48 |
| VSWR | ≤1.25 |
| Impedance (Ω) | 50 |
| Max. power (W) | 500 |
| Intermodulation (3rd order) (dBc) | ≤-155@2 × 43 dBm |

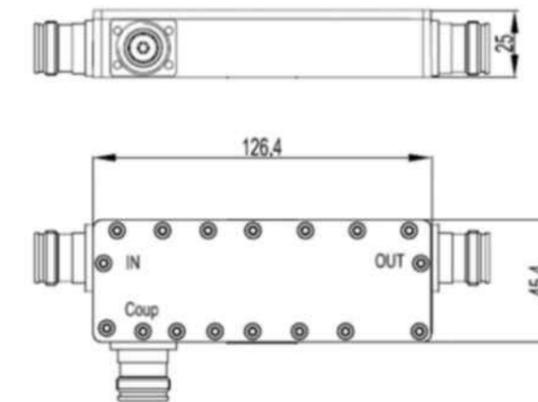
Mechanical Specifications

| | |
|--|-------------------|
| Connectors type | 3 × 4.3-10 Female |
| Weight (including connectors) (kg) | 0.54 |
| Dimension (excluding connectors and mounting bracket) (mm) | 126.4 × 45.4 × 25 |

Environmental Specifications

| | |
|----------------------------|------------|
| Operating temperature (°C) | -25 to +65 |
| Relative humidity | ≤95% |
| Applications | IP65 |

Dimensions (mm)



HXCP-0690-3800-40-500M01

- ◆ 40dB Coupler, frequency covers 690-3800 MHz.
- ◆ Designed for the decoupled combining of 1 transmitter or receiver signals and distributing the signal onto 1 main output & 1 coupling output.
- ◆ Suitable for indoor and outdoor applications, wall mounting.
- ◆ Connectors type is customizable.

Electrical Specifications

| | |
|-----------------------------------|------------------|
| Frequency (MHz) | 690-3800 |
| Coupling (dB) | 40±1.5 |
| Insertion Loss (dB) | ≤0.3 |
| Isolation (dB) | ≥55 |
| VSWR | ≤1.25 |
| Impedance (Ω) | 50 |
| Max. power (W) | 500 |
| Intermodulation (3rd order) (dBc) | ≤-155@2 × 43 dBm |

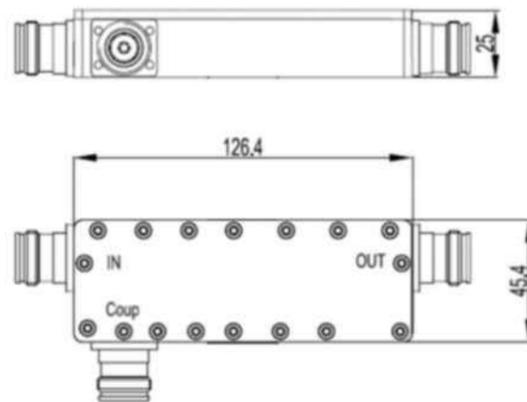
Mechanical Specifications

| | |
|--|-------------------|
| Connectors type | 3 × 4.3-10 Female |
| Weight (including connectors) (kg) | 0.54 |
| Dimension (excluding connectors and mounting bracket) (mm) | 126.4 × 45.4 × 25 |

Environmental Specifications

| | |
|----------------------------|------------|
| Operating temperature (°C) | -25 to +65 |
| Relative humidity | ≤95% |
| Applications | IP65 |

Dimensions (mm)



HXHYP-0690-3800-500M01

- ◆ 2 in 2 out Hybrid Combiner, frequency covers 690-3800 MHz.
- ◆ Designed for the decoupled combining of 2 transmitter or receiver signals and distributing these signals equally onto 2 antenna outputs.
- ◆ Suitable for indoor and outdoor applications, wall mounting.
- ◆ Connectors type is customizable.

Electrical Specifications

| | |
|-----------------------------------|------------------|
| Frequency (MHz) | 690-3800 |
| Insertion Loss (dB) | ≤3.5 |
| Isolation (dB) | ≥25 |
| VSWR | ≤1.25 |
| Impedance (Ω) | 50 |
| Max. power (W) | 500 |
| Intermodulation (3rd order) (dBc) | ≤-155@2 × 43 dBm |

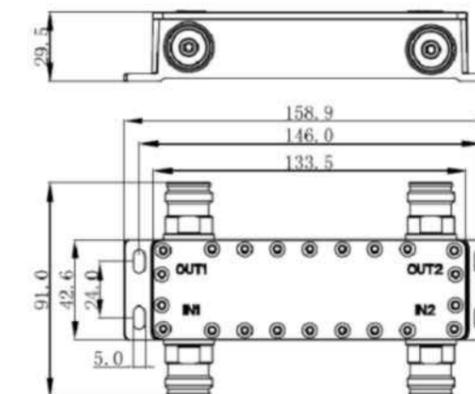
Mechanical Specifications

| | |
|--|---------------------|
| Connectors type | 4 × 4.3-10 Female |
| Weight (including connectors and mounting bracket) (kg) | 0.5 |
| Dimension (excluding connectors and mounting bracket) (mm) | 133.5 × 42.6 × 29.5 |

Environmental Specifications

| | |
|----------------------------|------------|
| Operating temperature (°C) | -25 to +60 |
| Relative humidity | ≤95% |
| Applications | IP65 |

Dimensions (mm)



HXHYB-0690-3800-500M02

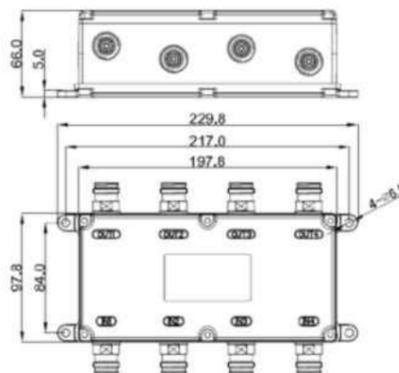
- ◆ 4 in 4 out Hybrid Combiner, frequency covers 690-3800 MHz.
- ◆ Designed for the decoupled combining of 4 transmitter or receiver signals and distributing these signals equally onto 4 antenna outputs.
- ◆ Suitable for indoor and outdoor applications, wall mounting.
- ◆ Connectors type is customizable.

| Electrical Specifications | |
|-----------------------------------|--|
| Frequency (MHz) | 690-3800 |
| Insertion Loss (dB) | ≤7 |
| Isolation (dB) | ≥25 |
| VSWR | ≤1.25@690-2700 MHz ≤1.3@2700-3800 MHz |
| Impedance (Ω) | 50 |
| Max. power (W) | 500 |
| Intermodulation (3rd order) (dBc) | ≤-155@2 × 43 dBm |

| Mechanical Specifications | |
|--|-------------------|
| Connectors type | 8 × 4.3-10 Female |
| Weight (including connectors and mounting bracket) (kg) | 2.2 |
| Dimension (excluding connectors and mounting bracket) (mm) | 197.8 × 97.8 × 66 |

| Environmental Specifications | |
|------------------------------|------------|
| Operating temperature (°C) | -25 to +60 |
| Relative humidity | ≤95% |
| Applications | IP65 |

Dimensions (mm)



FHLD-4000-50M-1

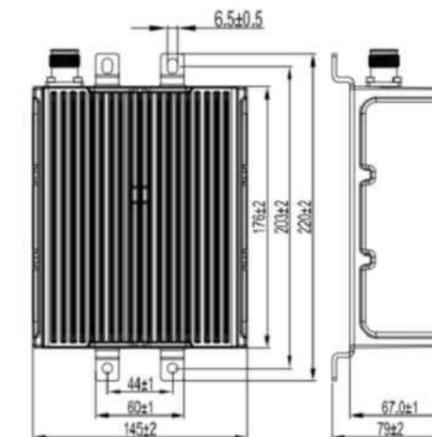
- ◆ 50W Low PIM Load, frequency covers DC-4000 MHz.
- ◆ Designed as 50 Ohm termination for terminating open ports on RF equipment, wherever improved intermodulation performance compared to standard loads is required.
- ◆ Suitable for indoor and outdoor applications, wall mounting.
- ◆ Connectors type is customizable.

| Electrical Specifications | |
|-----------------------------------|------------------|
| Frequency (MHz) | DC-4000 |
| VSWR | ≤1.25 |
| Impedance (Ω) | 50 |
| Max. power (W) | 50 |
| Intermodulation (3rd order) (dBc) | ≤-155@2 × 43 dBm |

| Mechanical Specifications | |
|--|-------------------|
| Connectors type | 1 × 4.3-10 Female |
| Weight (including connectors and mounting bracket) (kg) | 2.3 |
| Dimension (excluding connectors and mounting bracket) (mm) | 176 × 145 × 67 |

| Environmental Specifications | |
|------------------------------|------------|
| Operating temperature (°C) | -40 to +65 |
| Relative humidity | ≤95% |
| Applications | IP65 |

Dimensions (mm)



FHLD-4000-100M-1

- ◆ 100W Low PIM Load, frequency covers DC-4000 MHz.
- ◆ Designed as 50 Ohm termination for terminating open ports on RF equipment, wherever improved intermodulation performance compared to standard loads is required.
- ◆ Suitable for indoor and outdoor applications, wall mounting.
- ◆ Connectors type is customizable.

Electrical Specifications

| | |
|-----------------------------------|------------------|
| Frequency (MHz) | DC-4000 |
| VSWR | ≤1.25 |
| Impedance (Ω) | 50 |
| Max. power (W) | 100 |
| Intermodulation (3rd order) (dBc) | ≤-155@2 × 43 dBm |

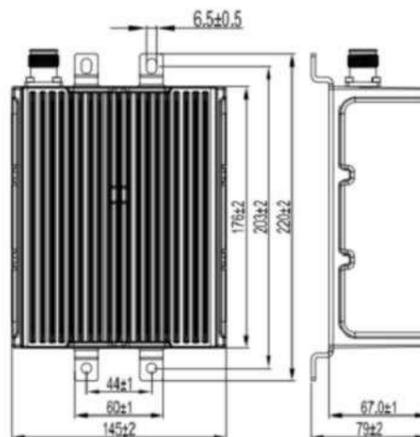
Mechanical Specifications

| | |
|--|-------------------|
| Connectors type | 1 × 4.3-10 Female |
| Weight (including connectors and mounting bracket) (kg) | 2.3 |
| Dimension (excluding connectors and mounting bracket) (mm) | 176 × 145 × 67 |

Environmental Specifications

| | |
|----------------------------|------------|
| Operating temperature (°C) | -40 to +65 |
| Relative humidity | ≤95% |
| Applications | IP65 |

Dimensions (mm)



FHLD-4000-200M-1

- ◆ 200W Low PIM Load, frequency covers DC-4000 MHz.
- ◆ Designed as 50 Ohm termination for terminating open ports on RF equipment, wherever improved intermodulation performance compared to standard loads is required.
- ◆ Suitable for indoor and outdoor applications, wall mounting.
- ◆ Connectors type is customizable.

Electrical Specifications

| | |
|-----------------------------------|------------------|
| Frequency (MHz) | DC-4000 |
| VSWR | ≤1.25 |
| Impedance (Ω) | 50 |
| Max. power (W) | 200 |
| Intermodulation (3rd order) (dBc) | ≤-155@2 × 43 dBm |

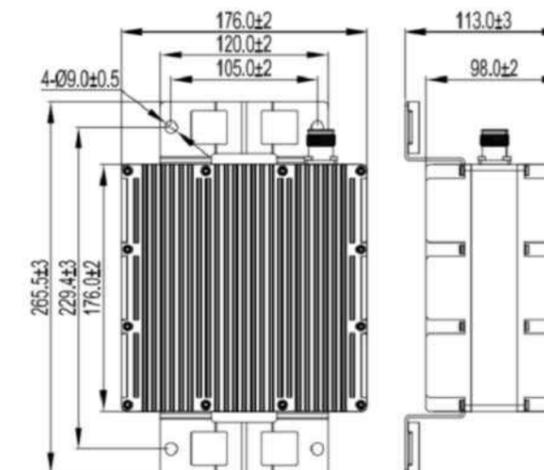
Mechanical Specifications

| | |
|--|-------------------|
| Connectors type | 1 × 4.3-10 Female |
| Weight (including connectors and mounting bracket) (kg) | 3.7 |
| Dimension (excluding connectors and mounting bracket) (mm) | 176 × 176 × 98 |

Environmental Specifications

| | |
|----------------------------|------------|
| Operating temperature (°C) | -40 to +65 |
| Relative humidity | ≤95% |
| Applications | IP65 |

Dimensions (mm)



HXFZ-004-G-005N/0W

- ◆ 5W Load, frequency covers DC-3700 MHz.
- ◆ Designed as 50 Ohm termination for terminating open ports on RF equipment.
- ◆ Suitable for indoor applications.
- ◆ Connectors type is customizable.

Electrical Specifications

| | |
|-----------------|---------|
| Frequency (MHz) | DC-3700 |
| VSWR | ≤1.2 |
| Impedance (Ω) | 50 |
| Max. power (W) | 5 |

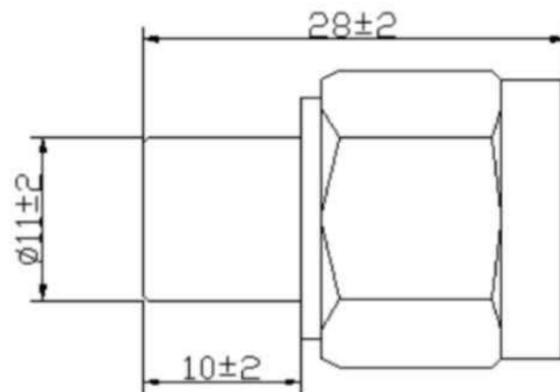
Mechanical Specifications

| | |
|--|------------|
| Connectors type | 1 × N Male |
| Dimension (excluding connectors and mounting bracket) (mm) | 28 × Φ11 |

Environmental Specifications

| | |
|----------------------------|------------|
| Operating temperature (°C) | -10 to +40 |
| Relative humidity | ≤95% |
| Applications | Indoor |

Dimensions (mm)



HXFZ-004-G-025N/0W

- ◆ 25W Load, frequency covers DC-3700 MHz.
- ◆ Designed as 50 Ohm termination for terminating open ports on RF equipment.
- ◆ Suitable for indoor applications.
- ◆ Connectors type is customizable.

Electrical Specifications

| | |
|-----------------|---------|
| Frequency (MHz) | DC-3700 |
| VSWR | ≤1.25 |
| Impedance (Ω) | 50 |
| Max. power (W) | 25 |

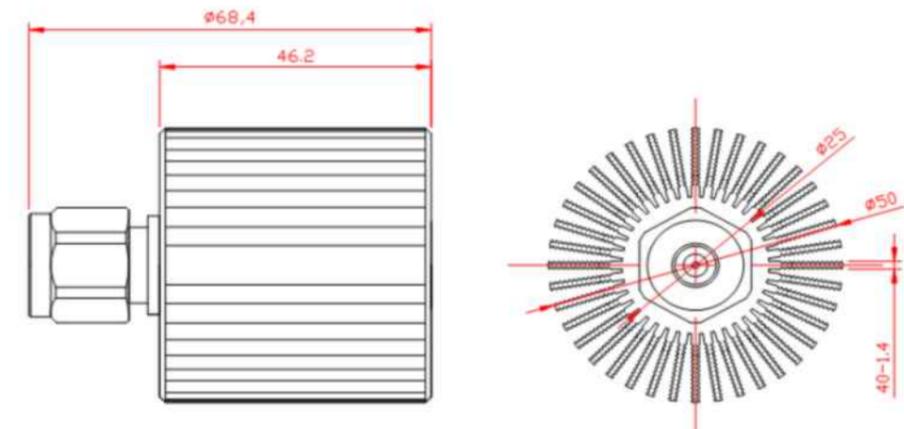
Mechanical Specifications

| | |
|--|------------|
| Connectors type | 1 × N Male |
| Dimension (excluding connectors and mounting bracket) (mm) | 46.2 × Φ50 |

Environmental Specifications

| | |
|----------------------------|------------|
| Operating temperature (°C) | -10 to +40 |
| Relative humidity | ≤95% |
| Applications | Indoor |

Dimensions (mm)



HXFZ-004-G-050N/0W

- ◆ 50W Load, frequency covers DC-3700 MHz.
- ◆ Designed as 50 Ohm termination for terminating open ports on RF equipment.
- ◆ Suitable for indoor applications.
- ◆ Connectors type is customizable.

Electrical Specifications

| | |
|-----------------|---------|
| Frequency (MHz) | DC-3700 |
| VSWR | ≤1.25 |
| Impedance (Ω) | 50 |
| Max. power (W) | 50 |

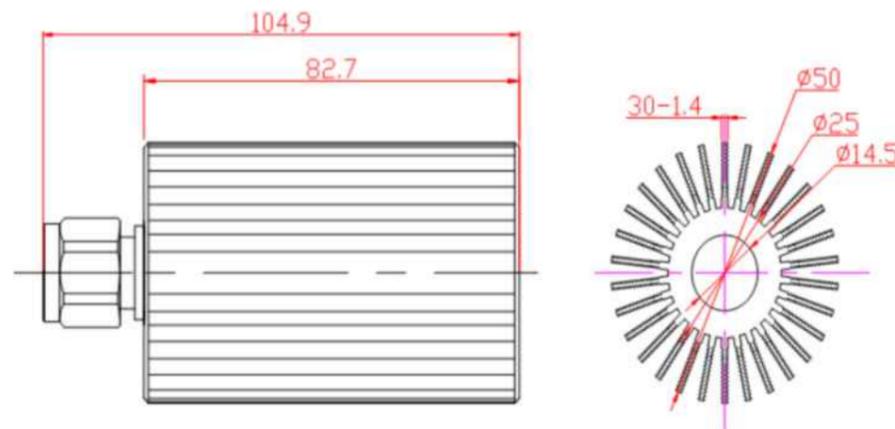
Mechanical Specifications

| | |
|--|------------|
| Connectors type | 1 × N Male |
| Dimension (excluding connectors and mounting bracket) (mm) | 82.7 × Ø50 |

Environmental Specifications

| | |
|----------------------------|------------|
| Operating temperature (°C) | -10 to +40 |
| Relative humidity | ≤95% |
| Applications | Indoor |

Dimensions (mm)



HXFZ-004-G-100N/0W

- ◆ 100W Load, frequency covers DC-3700 MHz.
- ◆ Designed as 50 Ohm termination for terminating open ports on RF equipment.
- ◆ Suitable for indoor applications.
- ◆ Connectors type is customizable.

Electrical Specifications

| | |
|-----------------|---------|
| Frequency (MHz) | DC-3700 |
| VSWR | ≤1.25 |
| Impedance (Ω) | 50 |
| Max. power (W) | 100 |

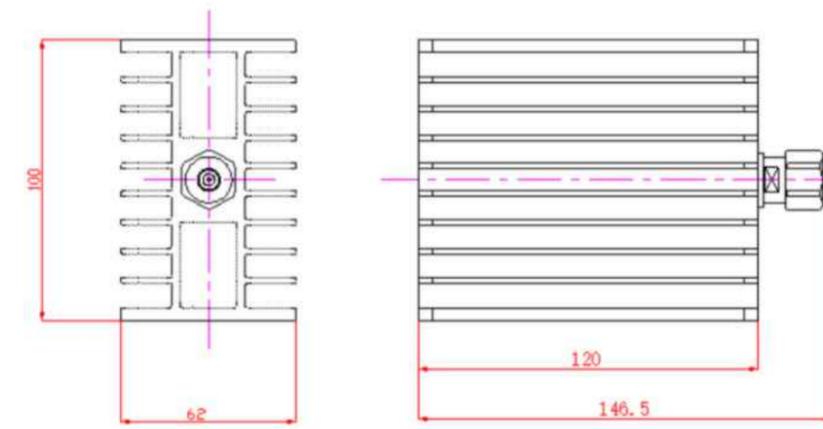
Mechanical Specifications

| | |
|--|----------------|
| Connectors type | 1 × N Male |
| Dimension (excluding connectors and mounting bracket) (mm) | 120 × 100 × 62 |

Environmental Specifications

| | |
|----------------------------|------------|
| Operating temperature (°C) | -10 to +40 |
| Relative humidity | ≤95% |
| Applications | Indoor |

Dimensions (mm)



HXFZ-004-G-200N/0W

- ◆ 200W Load, frequency covers DC-3700 MHz.
- ◆ Designed as 50 Ohm termination for terminating open ports on RF equipment.
- ◆ Suitable for indoor applications.
- ◆ Connectors type is customizable.

Electrical Specifications

| | |
|-----------------|---------|
| Frequency (MHz) | DC-3700 |
| VSWR | ≤1.25 |
| Impedance (Ω) | 50 |
| Max. power (W) | 200 |

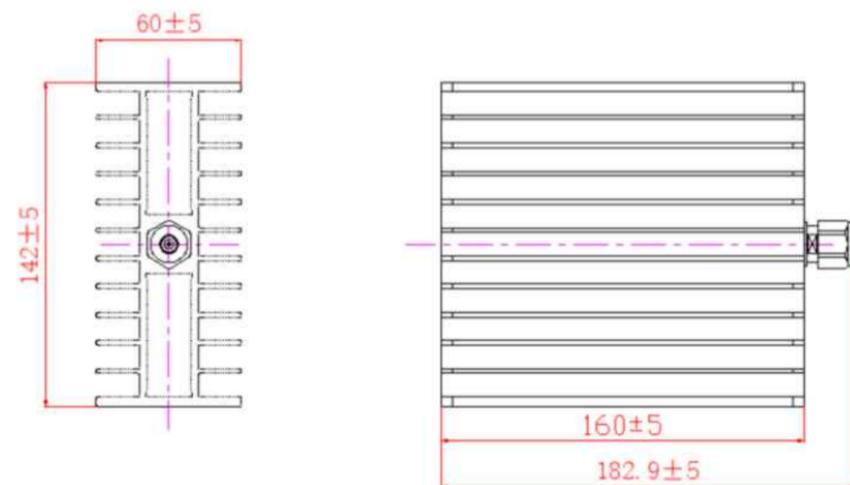
Mechanical Specifications

| | |
|--|----------------|
| Connectors type | 1 × N Male |
| Dimension (excluding connectors and mounting bracket) (mm) | 160 × 142 × 60 |

Environmental Specifications

| | |
|----------------------------|------------|
| Operating temperature (°C) | -10 to +40 |
| Relative humidity | ≤95% |
| Applications | Indoor |

Dimensions (mm)



HXXD1V2WC0204360T0M

- ◆ Single In Single Out, Omni Antenna, frequency covers 690-960, 1710-2700, 3000-3800 MHz.
- ◆ Designed for In Building System coverage.
- ◆ Suitable for indoor applications, ceiling mounting.
- ◆ Connectors type is customizable.

Electrical Specifications

| Frequency (MHz) | 690-806 | 806-960 | 1710-2700 | 3000-3800 |
|-------------------------------------|------------------|---------|-----------|-----------|
| Polarization | Vertical | | | |
| Gain (dBi) | 1.8±0.5 | 2.0±0.5 | 3.5±1.0 | 3.5±1.0 |
| Beamwidth, Horizontal (°) (Typical) | 360 | | | |
| Beamwidth, Vertical (°) (Typical) | 90 | 70 | 35 | 30 |
| VSWR | ≤2 | ≤1.5 | ≤1.5 | ≤2 |
| Intermodulation (3rd order) (dBc) | ≤-140@2 × 43 dBm | | | |
| Max. power (W) | 50 | | | |
| Impedance (Ω) | 50 | | | |

Mechanical Specifications

| | |
|---------------------|-------------------|
| Connector Interface | 1 × 4.3-10 Female |
| Dimension (mm) | Φ203 × 115 |
| Net Weight (kg) | 0.3 |
| Radome Material | ABS |

Environmental Specifications

| | |
|----------------------------|------------|
| Operating temperature (°C) | -40 to +55 |
| Relative humidity | ≤95% |
| Applications | IP30 |

Diagram



HXXD2L2WC0405360T0M

- ◆ Multi In Multi Out, Omni Antenna, frequency covers 690-960, 1710-2700, 3000-3800 MHz.
- ◆ Designed for In Building System coverage.
- ◆ Suitable for indoor applications, ceiling mounting.
- ◆ Connectors type is customizable.

Electrical Specifications

| Frequency (MHz) | 690-960 | 1710-2700 | 3000-3800 |
|-------------------------------------|------------------|-----------|-----------|
| Polarization | Line | | |
| Gain (dBi) | 3.5±0.5 | 4.5±1.0 | 5.0±1.0 |
| Beamwidth, Horizontal (°) (Typical) | 360 | | |
| Isolation (dB) | ≥16 | ≥20 | ≥25 |
| VSWR | <2 | | |
| Intermodulation (3rd order) (dBc) | ≤-140@2 × 43 dBm | | |
| Max. power (W) | 50 | | |
| Impedance (Ω) | 50 | | |

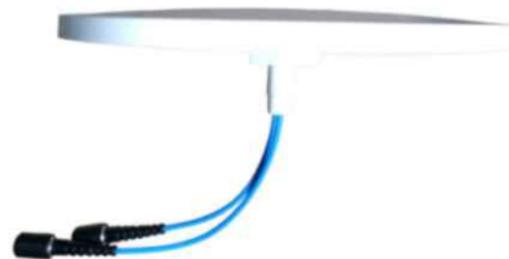
Mechanical Specifications

| | |
|---------------------|-------------------|
| Connector Interface | 2 × 4.3-10 Female |
| Dimension (mm) | Φ266 × 18 |
| Net Weight (kg) | 0.5 |
| Radome Material | ABS |

Environmental Specifications

| | |
|----------------------------|------------|
| Operating temperature (°C) | -40 to +60 |
| Relative humidity | ≤95% |
| Applications | IP30 |

Diagram



HXBG1V2WC0608080T0M

- ◆ Single In Single Out, Panel Antenna, frequency covers 690-960, 1710-2700, 3000-3800 MHz.
- ◆ Designed for In Building System coverage.
- ◆ Suitable for indoor applications, wall mounting.
- ◆ Connectors type is customizable.

Electrical Specifications

| Frequency (MHz) | 690-806 | 806-960 | 1710-2200 | 2200-2700 | 3000-3800 |
|-------------------------------------|------------------|---------|-----------|-----------|-----------|
| Polarization | Vertical | | | | |
| Gain (dBi) | 5±0.5 | 6±0.5 | 7±1 | 7.5±1 | 6±1 |
| Beamwidth, Horizontal (°) (Typical) | 80 | 80 | 65 | 60 | 55 |
| Beamwidth, Vertical (°) (Typical) | 73 | 70 | 60 | 60 | 30 |
| Front-To-Back Ratio | >5 | >8 | >10 | >12 | >10 |
| VSWR | <2 | | | | |
| Intermodulation (3rd order) (dBc) | ≤-140@2 × 43 dBm | | | | |
| Max. power (W) | 50 | | | | |
| Impedance (Ω) | 50 | | | | |

Mechanical Specifications

| | |
|---------------------|-------------------|
| Connector Interface | 1 × 4.3-10 Female |
| Dimension (mm) | 180 × 170 × 60 |
| Net Weight (kg) | 0.4 |
| Radome Material | ABS |

Environmental Specifications

| | |
|----------------------------|------------|
| Operating temperature (°C) | -40 to +60 |
| Relative humidity | ≤95% |
| Applications | IP30 |

Diagram



HXBG2X2WC0607080T0M

- ◆ Multi In Multi Out, Omni Panel Antenna, frequency covers 690-960, 1710-2700, 3000-3800 MHz.
- ◆ Designed for In Building System coverage.
- ◆ Suitable for indoor applications, ceiling mounting.
- ◆ Connectors type is customizable.

| Electrical Specifications | | | | |
|-------------------------------------|----------------------|-----------|-----------|-----------|
| Frequency (MHz) | 690-960 | 1710-2200 | 2200-2700 | 3400-3800 |
| Polarization | Vertical/ Horizontal | | | |
| Gain (dBi) | 5.5±1 | 7±0.5 | 7±0.5 | 6±1.0 |
| Beamwidth, Horizontal (°) (Typical) | 80 | 65 | 60 | 55 |
| Beamwidth, Vertical (°) (Typical) | 70 | 60 | 60 | 30 |
| Isolation (dB) | ≥16 | ≥16 | ≥20 | ≥20 |
| VSWR | <2 | | | |
| Intermodulation (3rd order) (dBc) | ≤-140@2 × 43 dBm | | | |
| Max. power (W) | 50 | | | |
| Impedance (Ω) | 50 | | | |

| Mechanical Specifications | |
|---------------------------|-------------------|
| Connector Interface | 2 × 4.3-10 Female |
| Dimension (mm) | 404 × 180 × 62 |
| Net Weight (kg) | 1.2 |
| Radome Material | PVC |

| Environmental Specifications | |
|------------------------------|------------|
| Operating temperature (°C) | -40 to +60 |
| Relative humidity | ≤95% |
| Applications | IP30 |

Diagram



HXXD1V5W0104360T0N

- ◆ Single In Single Out, Omni Antenna, frequency covers 880-960, 1710-2675 MHz.
- ◆ Designed for In Building System coverage.
- ◆ Suitable for indoor applications, ceiling mounting, Transparent Antenna.
- ◆ Connectors type is customizable.

| Electrical Specifications | | | | | | | |
|---------------------------|----------|-----------|-----------|-----------|-----------|-------------|-----------|
| Frequency (MHz) | 880-960 | 1710-1850 | 1885-1915 | 2010-2025 | 2300-2400 | 2400-2483.5 | 2515-2675 |
| Polarization | Vertical | | | | | | |
| Gain (dBi) | ≥1.0 | ≥2.0 | ≥2.5 | ≥3.0 | ≥3.0 | ≥3.5 | ≥3.5 |
| Beamwidth, Horizontal (°) | 360 | | | | | | |
| VSWR | ≤1.5 | | | | | | |
| Max. power (W) | 50 | | | | | | |
| Impedance (Ω) | 50 | | | | | | |

| Mechanical Specifications | |
|---------------------------|--------------------------|
| Connector Interface | 1 × N Female |
| Dimension (mm) | 126 × 126 × 5 |
| Radome Material | Poly methyl methacrylate |

| Environmental Specifications | |
|------------------------------|------------|
| Operating temperature (°C) | -40 to +60 |
| Relative humidity | ≤95% |
| Applications | IP30 |

Diagram



SD2X13030NJ

- ◆ Multi In Multi Out, Panel Antenna, frequency covers 1710-2635 MHz.
- ◆ Designed for In Building System coverage.
- ◆ Suitable for outdoor applications, wall mounting, Transparent Antenna.
- ◆ Connectors type is customizable.

Electrical Specifications

| Frequency (MHz) | 1710-1880 | 1880-1920 | 2010-2025 | 2575-2635 |
|-----------------------------------|-----------|-----------|-----------|-----------|
| Polarization | ±45° | | | |
| Gain (dBi) | ≥12.5 | ≥13 | ≥13 | ≥13.5 |
| Horizontal 3dB Beam Width (°) | 20-35 | 20-35 | 20-35 | 15-35 |
| Vertical 3dB Beam Width (°) | ≥60 | ≥60 | ≥60 | ≥60 |
| Front to Back Ratio 180°±30° (dB) | ≥23 | ≥23 | ≥23 | ≥23 |
| CPR 3dB Beam Width (dB) | ≥10 | ≥10 | ≥10 | ≥10 |
| Isolation (dB) | ≥25 | ≥25 | ≥25 | ≥25 |
| VSWR | ≤1.5 | | | |
| Max. power per port (W) | 50 | | | |
| Impedance (Ω) | 50 | | | |

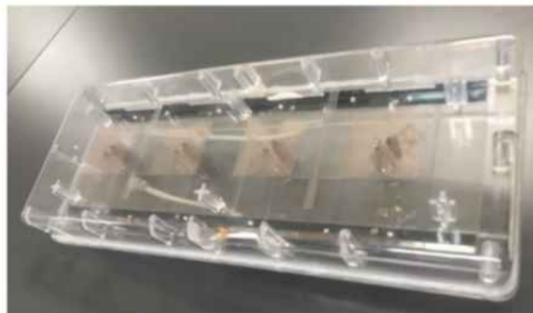
Mechanical Specifications

| | |
|-----------------------|--|
| Connector Interface | 2 × N Female |
| Dimension (mm) | 489 × 180 × 60 |
| Antenna weight (kg) | 1.5 |
| Mechanical Tilt Range | Vertical -45° to +45°, Horizontal -20° to +20° |
| Radome Material | Ultraviolet PC |

Environmental Specifications

| | |
|----------------------------|------------|
| Operating temperature (°C) | -40 to +60 |
| Relative humidity | ≤95% |
| Applications | Outdoor |

Diagram



HCAAYZ-50-12

1/2" COAXIAL CABLE



Constructional Specifications

| Type | Material | Diameter |
|-----------------|---|----------|
| Inner conductor | Copper-clad aluminium wire | Ø4.8 mm |
| Dielectric | Cellular polyethylene | Ø12.1 mm |
| Outer conductor | Corrugated copper tube | Ø13.9 mm |
| Jacket | Black thermoplastic | Ø16.0 mm |
| Marking | Logo, model, ERP, batch number and meter mark | |

Electrical Specifications @+20°C

| | |
|-----------------------------|-----------------------------|
| Impedance (Ω) | 50 |
| Attenuation | See attenuation table below |
| Velocity factor | 0.88 |
| Capacitance (pF/m) | 76 |
| Maximum frequency (MHz) | 3500 |
| Peak RF voltage rating (kV) | 1.5 |
| Peak power rating (kW) | 25.9 |

Mechanical Specifications

| | | |
|---------------------------|-----------------------|-----|
| Crush resistance (kg/mm) | 2.0 | |
| Maximum pulling force (N) | 1130 | |
| Minimum bending radius | Single bending (mm) | 80 |
| | Repeated bending (mm) | 125 |

Environmental Specifications

| | |
|----------------------------|------------|
| Operating temperature (°C) | -40 to +70 |
| Relative humidity | ≤95% |

Cable Attenuation

| Frequency (MHz) | Ambient temperature +20°C; Less than, dB/100m |
|-----------------|---|
| 800 | 7.22 |
| 900 | 7.7 |
| 1800 | 11.23 |
| 2000 | 11.9 |
| 2400 | 13.17 |
| 3000 | 14.93 |

HCTAYZ-50-22

7/8" COAXIAL CABLE



Constructional Specifications

| Type | Material | Diameter |
|-----------------|---|----------|
| Inner conductor | Copper tube | Ø9 mm |
| Dielectric | Cellular polyethylene | Ø22.2 mm |
| Outer conductor | Corrugated copper tube | Ø24.9 mm |
| Jacket | Black thermoplastic | Ø27.5 mm |
| Marking | Logo, model, ERP, batch number and meter mark | |

Electrical Specifications @+20°C

| | |
|-----------------------------|-----------------------------|
| Impedance (Ω) | 50 |
| Attenuation | See attenuation table below |
| Velocity factor | 0.88 |
| Capacitance (pF/m) | 76 |
| Maximum frequency (MHz) | 3500 |
| Peak RF voltage rating (kV) | 3 |
| Peak power rating (kW) | 91 |

Mechanical Specifications

| | | |
|---------------------------|-----------------------|-----|
| Crush resistance (kg/mm) | 1.4 | |
| Maximum pulling force (N) | 1500 | |
| Minimum bending radius | Single bending (mm) | 140 |
| | Repeated bending (mm) | 250 |

Environmental Specifications

| | |
|----------------------------|------------|
| Operating temperature (°C) | -40 to +70 |
| Relative humidity | ≤95% |

Cable Attenuation

| Frequency (MHz) | Ambient temperature +20°C; Less than, dB/100m |
|-----------------|---|
| 800 | 3.83 |
| 900 | 4.08 |
| 1800 | 6.08 |
| 2000 | 6.47 |
| 2400 | 7.2 |
| 2700 | 7.7 |
| 3000 | 8.24 |

HCTAYZ-50-32

1-1/4" COAXIAL CABLE



Constructional Specifications

| Type | Material | Diameter |
|-----------------|---|----------|
| Inner conductor | Copper tube | Ø13 mm |
| Dielectric | Cellular polyethylene | Ø32.2 mm |
| Outer conductor | Corrugated copper tube | Ø35.8 mm |
| Jacket | Black thermoplastic | Ø39.0 mm |
| Marking | Logo, model, ERP, batch number and meter mark | |

Electrical Specifications @+20°C

| | |
|-----------------------------|-----------------------------|
| Impedance (Ω) | 50 |
| Attenuation | See attenuation table below |
| Velocity factor | 0.88 |
| Capacitance (pF/m) | 76 |
| Maximum frequency (MHz) | 3500 |
| Peak RF voltage rating (kV) | 4.6 |
| Peak power rating (kW) | 211 |

Mechanical Specifications

| | | |
|---------------------------|-----------------------|-----|
| Crush resistance (kg/mm) | 2.5 | |
| Maximum pulling force (N) | 4300 | |
| Minimum bending radius | Single bending (mm) | 200 |
| | Repeated bending (mm) | 350 |

Environmental Specifications

| | |
|----------------------------|------------|
| Operating temperature (°C) | -40 to +70 |
| Relative humidity | ≤95% |

Cable Attenuation

| Frequency (MHz) | Ambient temperature +20°C; Less than, dB/100m |
|-----------------|---|
| 800 | 2.46 |
| 900 | 2.63 |
| 1800 | 3.91 |
| 2000 | 4.16 |
| 2400 | 4.63 |
| 2700 | 5.07 |
| 3000 | 5.29 |

HHTAYZ-50-42

1-1/4" COAXIAL CABLE



Constructional Specifications

| Type | Material | Diameter |
|-----------------|---|----------|
| Inner conductor | Helical corrugated copper tube | Ø17.3 mm |
| Dielectric | Foamed polyethylene | Ø42.5 mm |
| Outer conductor | Annular corrugated copper tube | Ø46.5 mm |
| Jacket | Black thermoplastic | Ø49.5 mm |
| Marking | Logo, model, ERP, batch number and meter mark | |

Electrical Specifications @ +20°C

| | |
|-----------------------------|-----------------------------|
| Impedance (Ω) | 50 |
| Attenuation | See attenuation table below |
| Velocity factor | 0.88 |
| Capacitance (pF/m) | 76 |
| Maximum frequency (MHz) | 2700 |
| Peak RF voltage rating (kV) | 5.6 |
| Peak power rating (kW) | 310 |

Mechanical Specifications

| | | |
|---------------------------|-----------------------|-----|
| Maximum pulling force (N) | 3000 | |
| Minimum bending radius | Single bending (mm) | 250 |
| | Repeated bending (mm) | 510 |

Environmental Specifications

| | |
|----------------------------|------------|
| Operating temperature (°C) | -40 to +70 |
| Relative humidity | ≤95% |

Cable Attenuation

| Frequency (MHz) | Ambient temperature +20°C; Less than, dB/100m |
|-----------------|---|
| 800 | 2.21 |
| 900 | 2.36 |
| 1800 | 3.56 |
| 2000 | 3.82 |
| 2100 | 3.93 |
| 2400 | 4.32 |
| 2700 | 4.6 |

Connector

| Model | Dimension | Insertion Loss (dB) | Intermodulation (3rd order) (dBc) @2 × 43 dBm |
|--------------------|-----------|---------------------|---|
| N-J-1/2"(B)-C | | ≤0.1 | ≤-155 |
| N-K-1/2"(B)-C | | ≤0.1 | ≤-155 |
| DIN-J-1/2"(B)-C | | ≤0.1 | ≤-155 |
| DIN-K-1/2"(B)-C | | ≤0.1 | ≤-155 |
| 4.3/10-J-1/2"(B)-C | | ≤0.1 | ≤-155 |
| N-J-1/2"(A)-C | | ≤0.1 | ≤-155 |
| N-K-1/2"(A)-C | | ≤0.1 | ≤-155 |

| | | | |
|--------------------|--|------|-------|
| DIN-J-1/2"(A)-C | | ≤0.1 | ≤-155 |
| DIN-K-1/2"(A)-C | | ≤0.1 | ≤-155 |
| 4.3/10-J-1/2"(A)-C | | ≤0.1 | ≤-155 |
| 4.3/10-K-1/2"(A)-C | | ≤0.1 | ≤-155 |
| N-J-7/8"(A)-C1 | | ≤0.1 | ≤-155 |
| N-K-7/8"(A)-C1 | | ≤0.1 | ≤-155 |
| DIN-J-7/8"(A)-C1 | | ≤0.1 | ≤-155 |
| DIN-K-7/8"(A)-C1 | | ≤0.1 | ≤-155 |

| | | | |
|--------------------|--|------|-------|
| 4.3/10-J-7/8"(A)-C | | ≤0.1 | ≤-155 |
| 4.3/10-K-7/8"(A)-C | | ≤0.1 | ≤-155 |
| N-J-5/4"(A)-C | | ≤0.1 | ≤-155 |
| N-K-5/4"(A)-C | | ≤0.1 | ≤-155 |
| DIN-J-5/4"(A)-C | | ≤0.1 | ≤-155 |
| DIN-K-5/4"(A)-C | | ≤0.1 | ≤-155 |
| N-J-13/8"(A)-C | | ≤0.1 | ≤-155 |
| N-K-13/8"(A)-C | | ≤0.1 | ≤-155 |

| | | | |
|------------------|--|------|-------|
| DIN-J-13/8"(A)-C | | ≤0.1 | ≤-155 |
| DIN-K-13/8"(A)-C | | ≤0.1 | ≤-155 |

Electrical Specifications

| | | |
|-------------------------------------|---|------|
| Connector type | N/ DIN/ 4.3-10 (Customizable) Straight/ Angle 90° (Customizable) Male/ Female (Customizable) Suitable for Customizable Cable | |
| Impedance (Ω) | 50 | |
| Frequency (MHz) | DC-3800 (1/2" Cable & 7/8" Cable) DC-3700 (1-1/4" Cable) DC-2800 (1-5/8" Cable) | |
| Dielectric Withstanding Voltage (V) | ≥2500 (RMS, 50Hz) | |
| Dielectric Resistance (MΩ) | ≥5000 | |
| Contact resistance | Inner conductor (MΩ) | ≤1.0 |
| | Outer conductor (MΩ) | ≤1.0 |

Mechanical Specifications

| | |
|------------|-------------------|
| Durability | Mating cycles≥100 |
|------------|-------------------|

Material and Environmental Specifications

| | |
|----------------------------|-------------------------------|
| Body | Brass (Plating: Tri-Alloy) |
| Center conductor | Phosphor bronze (Plating: Ag) |
| Insulator | PTFE |
| Other | Plating: Ni |
| Operating temperature (°C) | -40 to +85 |
| Relative humidity | ≤95% |
| Applications | IP67 |
| Interface | IEC 61169-16 |

Jumper

| Model | Dimension | Remark |
|------------------------------|-----------|---|
| 4.3/10-J/N-J-1/2"(S)-XM | | 4.3-10 Straight Male N Straight Male Length Xm 1/2" Superflexible Cable |
| 4.3/10-J/DIN-J-1/2"(S)-XM | | 4.3-10 Straight Male DIN Straight Male Length Xm 1/2" Superflexible Cable |
| 4.3/10-J/4.3/10-J-1/2"(S)-XM | | 4.3-10 Straight Male 4.3-10 Straight Male Length Xm 1/2" Superflexible Cable |
| 4.3/10-J/4.3/10-J-1/2"-XM | | 4.3-10 Straight Male 4.3-10 Straight Male Length Xm 1/2" Standard Cable |
| N-J/N-J-1/2"(S)-XM | | N Straight Male N Straight Male Length Xm 1/2" Superflexible Cable |
| N-J/N-K-1/2"(S)-XM | | N Straight Male N Straight Female Length Xm 1/2" Superflexible Cable |
| DIN-J/N-J-1/2"(S)-XM | | DIN Straight Male N Straight Male Length Xm 1/2" Superflexible Cable |
| DIN-J/DIN-J-1/2"(S)-XM | | DIN Straight Male DIN Straight Male Length Xm 1/2" Superflexible Cable |

| | | |
|-------------------------|--|--|
| DIN-J/DIN-K-1/2"(S)-XM | | DIN Straight Male DIN Straight Female Length Xm 1/2" Superflexible Cable |
| DIN-J/N-K-1/2"(S)-XM | | DIN Straight Male N Straight Female Length Xm 1/2" Superflexible Cable |
| DIN-K/N-K-1/2"(S)-XM | | DIN Straight Female N Straight Female Length Xm 1/2" Superflexible Cable |
| DIN-K/N-J-1/2"(S)-XM | | DIN Straight Female N Straight Male Length Xm 1/2" Superflexible Cable |
| N-JW/N-J-1/2"(S)-XM | | N Angle 90° Male N Straight Male Length Xm 1/2" Superflexible Cable |
| N-JW/N-K-1/2"(S)-XM | | N Angle 90° Male N Straight Female Length Xm 1/2" Superflexible Cable |
| DIN-JW/DIN-J-1/2"(S)-XM | | DIN Angle 90° Male DIN Straight Male Length Xm 1/2" Superflexible Cable |
| DIN-JW/DIN-K-1/2"(S)-XM | | DIN Angle 90° Male DIN Straight Female Length Xm 1/2" Superflexible Cable |
| DIN-JW/N-J-1/2"(S)-XM | | DIN Angle 90° Male N Straight Male Length Xm 1/2" Superflexible Cable |

| | | |
|-----------------------|--|--|
| DIN-JW/N-K-1/2"(S)-XM | | DIN Angle 90° Male N Straight Female Length Xm 1/2" Superflexible Cable |
| DIN-J/N-JW-1/2"(S)-XM | | DIN Straight Male N Angle 90° Male Length Xm 1/2" Superflexible Cable |

Electrical Specifications

| | |
|-------------------------------------|---|
| Connector type | N/ DIN/ 4.3-10 (Customizable) Straight/ Angle 90° (Customizable) Male/ Female (Customizable) Suitable for Customizable Cable |
| Cable type | 1/2" Superflexible Cable or 1/2" flexible Cable (Customizable) |
| Impedance (Ω) | 50 |
| Frequency (MHz) | DC-3000 |
| VSWR | ≤1.2 |
| Intermodulation (3rd order) (dBc) | ≤-150@2 × 43 dBm |
| Insertion Loss (Typical) (dB) | ≤(0.11*L+0.10)@900 MHz ≤(0.18*L+0.15)@2100 MHz ≤(0.20*L+0.17)@2600 MHz (L=Jumper Length, m) |
| Dielectric Withstanding Voltage (V) | ≥2500 (RMS, 50Hz) |
| Dielectric Resistance (MΩ) | ≥5000 |

Mechanical Specifications

| | |
|------------------------------------|--|
| Durability | Mating cycles≥100 (Including 4.3-10 Connector) Mating cycles≥500 (Excluding 4.3-10 Connector) |
| Single minimum bending radius (mm) | 32 (1/2" Superflexible Cable) 70 (1/2" flexible Cable) |
| Length | Customizable |

Material and Environmental Specifications

| | |
|----------------------------|-------------------------------|
| Body | Brass (Plating: Tri-Alloy) |
| Center conductor | Phosphor bronze (Plating: Ag) |
| Insulator | PTFE |
| Other | Plating: Ni |
| Operating temperature (°C) | -40 to +85 |
| Relative humidity | ≤95% |
| Applications | IP68 |