

DATA SHEET

10-D02XX-OX1

DIPLEXER

Frequency: Band 1:1695-1880, Band 2:1920-2200MHz
AISG by pass: Pass/Stop

Power Rating: 250W
IM3: <-150/155/160 dBc

Connector: Optional
Usage: Indoor & Outdoor

OVERVIEW

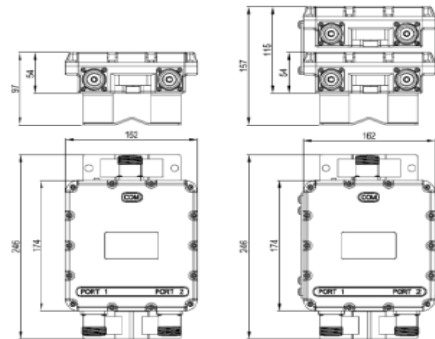
BRIDGE COMBINERS are used to combine two different system signals and output signal from com port. The combiners are integrated with technology to enhance the low PIM, isolation and other key parameters.

KEY FEATURES

- Available in various DC/AISG by pass configurations
- N, Din 4.3-10 connectors, available upon request
- Single or twin type available

ORDERING INFORMATION

Product Picture



Part Numbers

| Connector type | | 4.3-10 Female | | DIN 7-16 Female |
|-------------------------|-----------|---------------|--------------|-----------------|
| PIM3 (@2x 20 W Carrier) | ≤-150 dBc | Single | 10-D02E3-OS1 | 10-D02C3-OS1 |
| | | Twin | 10-D02E3-OT1 | 10-D02C3-OT1 |
| | ≤-155 dBc | Single | 10-D02E5-OS1 | 10-D02C5-OS1 |
| | | Twin | 10-D02E5-OT1 | 10-D02C5-OT1 |
| | ≤-160 dBc | Single | 10-D02E7-OS1 | 10-D02C7-OS1 |
| | | Twin | 10-D02E7-OT1 | 10-D02C7-OT1 |

TECHNICAL DATA

Electrical Specifications

| | | |
|-------------------|------------|---------------------|
| Frequency Range | Band 1 | 1695-1880 MHz |
| | Band 2 | 1920-2200 MHz |
| Insertion loss | Port 1 | ≤0.30dB |
| | Port 2 | ≤0.30dB |
| Isolation | | ≥50dB |
| VSWR/ Return loss | | ≥20dB |
| PIM : IM3 | | ≤-150/-155/-160 dBc |
| DC/AISG by pass | Port 1-Com | Pass |
| | Port 2-Com | Stop |
| Power Rating | | 250W |
| Impedance | | 50Ω |

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Mechanical Specifications

| Connector | | 4.3-10 Female | DIN 7-16 Female |
|------------|-------------|--------------------|--------------------|
| Dimensions | Single Unit | 162 x 174 x 54 mm | 162 x 174 x 54 mm |
| | Twin Unit | 162 x 174 x 115 mm | 162 x 174 x 115 mm |
| Weight | Single Unit | 2.3 kg | 2.4 kg |
| | Twin Unit | 4.7 kg | 4.9 kg |
| Color | | Light gray | |

Environmental Specifications

| | |
|---------------------|------------------------|
| Temperature | -40°C~+65°C |
| Humidity | ≤95% |
| Lighting Protection | 3kA; 10/350 μs pulse |
| IP Rating | IP67, Indoor & Outdoor |

Installation Specifications

| | |
|---------------------|---------------------|
| Installation Method | Wall/ Pole Mounting |
| Pole Diameter | Φ35- Φ125mm |