

**DATASHEET**

**10-D42EX-OX | DIPLEXER**

**Frequency:** Band 1: 698-2170MHz, Band 2: 2300-2700MHz | **PIM3:** ≤-150/-155/-160dBc | **Connector:** 4.3-10 Female  
 | **AISG by Pass:** All Pass | **Usage:** Indoor&Outdoor



**OVERVIEW**

Bridge Multi-Band Combiner is the product to fast combine two or more different system signals and output from Com port.

Bridge combiner integrated with multi-technology to enhance the low PIM, isolation and other key parameters. Pure silver plating is guaranteed in production processing.

In the section of materials selection, Bridge products are all made of good and rugged materials, which make sure long product working life and stable working performance.

**TECHNICAL DATA**

Part Number			
Unit Type		Single Unit	Twin Unit
<b>PIM3 (2x43dBm)</b>	≤-150dBc	10-D42E3-OS	10-D42E3-OT
	≤-155dBc	10-D42E5-OS	10-D42E5-OT
	≤-160dBc	10-D42E7-OS	10-D42E7-OT

Electrical Specifications		
Frequency Range	Band 1	698-2170MHz
	Band 2	2300-2700MHz
Insertion loss	Band 1	≤0.5dB
	Band 2	≤0.5dB
Isolation		≥50dB
VSWR/ Return loss		≤ 1.22/ -20dB
DC/AISG by PASS	Band 1	Pass
	Band 2	Pass
Power Rating		250W
Impedance		50Ω

Mechanical Specifications		
Connectors		4.3-10 Female
Dimensions	Single Unit	190 x 106 x 47 mm
	Twin Unit	190 x 106 x 102 mm
Weight	Single Unit	1.4 kg
	Twin Unit	2.8 kg
Color		Gray

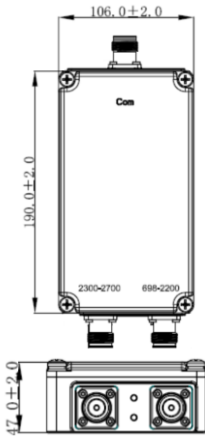
Environmental Specifications	
Temperature	-40°C~+65°C
Humidity	≤95%
Lightning Protection	10kA; 8/20 μs pulse Compliant IEC 61000-4-5
IP Rating	IP67, Indoor&Outdoor

Installation Specifications	
Mount	Wall / Pole
Pole Diameter	Φ35- Φ125 mm

**FEATURES**

- Available for various of DC/AISG by pass configurations.
- Low PIM, high isolation and good return loss.
- Built-in lightning protection.
- Wall or pole mounting.
- 4.3-10/Din connector type is optional.
- Single and twins type is optional.
- Cost-effective design

**Product**



Precise Cavity Processing



Excellent&100% Silver Plating

Unit measurements in mm

Disclaimer: All images are for reference purposes only

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Important Notice: Information contained in this data sheet is believed to be reliable at the date of issue, however accuracy and completeness is not guaranteed.

Bridge Components holds the right to change the product specifications without notice.