

DATA SHEET

10-P07EX-OX | PENTAPLEXER

Frequency: Band 1: 698-806MHz, Band 2: 824-960MHz, Band 3: 1710-1880MHz, Band 4: 1920-2170MHz, Band 5: 2300-2700MHz | **IM3:** -150/-155/-160dBc | **AISG by Pass:** All Pass **Connector:** 4.3-10 Female | **Usage:** Indoor & Outdoor



OVERVIEW

BRIDGE Multi-Band Combiner combines two or more system signals and equally divides signals to output port. The usage includes 2G/3G/4G/5G, VHF, UHF, Tetra, IoT, Military spectrum allocation in different frequency systems, and re-farming systems.

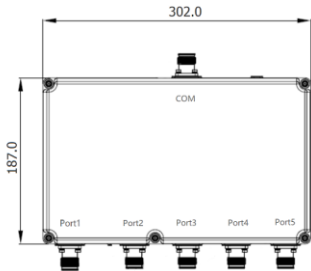
BRIDGE combiner integrated with multi-technology to enhance the low PIM, isolation and other key parameters. Pure silver plating is guaranteed in production processing and able to perform smooth data transmission in system coverage.

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.

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
- Up to IP67 full outdoor water-proof

Product



recise Cavity Processing



Excellent&100% Silver Plating



Unit measurements in mm

Disclaimer: All images are for reference purposes only

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.

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TECHNICAL DATA

Part Numbers			
Type		Single Unit	Twin Units
PIM : IM3	≤-150dBc	10-P07E3-OS	10-P07E3-OT
	≤-155dBc	10-P07E5-OS	10-P07E5-OT
	≤-160dBc	10-P07E7-OS	10-P07E7-OT

Electrical Specifications		
Frequency Range	Band 1	698-806MHz
	Band 2	824-960MHz
	Band 3	1710-1880MHz
	Band 4	1920-2170MHz
	Band 5	2300-2700MHz
Insertion Loss	≤0.5dB	
Isolation	≥50dB	
VSWR/ Return Loss	≤ 1.25/ -19dB	
DC/AISG By Pass	All Pass	
Power Rating	250W,500W@Peak	
Impedance	50Ω	

Mechanical Specifications		
Connectors	4.3-10 Female	
Dimensions	Single Unit	187 x 302 x 53 mm
	Twin Unit	187 x 302 x 106 mm
Weight	Single Unit	4.0 kg
	Twin Unit	7.8 kg
Color	Gray	

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

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