



## OVERVIEW

BRIDGE Hybrid Coupler is the product to fast combine two signals and mix them as output, and without requirement of guard band to those two signals. It is simple combiner but with basic isolation requirement to avoid extra interference. In coverage system, usually is used at the front side or end side of system.

BRIDGE Hybrid Coupler is using wide band technology to coverage the wide band range signals from 698-2700Mhz. Reach -160dBc PIM value by Low PIM and fully plating technology, which is good to provide high data transmission coverage needs. Widely used GSM /WCDMA / LTE network.

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

- 2X2 ports and wide working range from 698-2700Mhz.
- Typical 3dB split loss plus the low insertion loss.
- PIM level is optional at -150dBc/-155dBc/-160dBc.
- Connectors is available at N type, Din type and 4.3-10 type.
- High IP Class reach to IP65 and support working in bad installation environment.

## TECHNICAL DATA

PartNumber				
Connectors		N Female	4.3-10 Female	DIN Female
PIM:IM3 (2x43 dBm)	≤-150dBc	12-UEAA322-O1	12-UEAE322-O1	12-UEAC322-O1
	≤-155dBc	12-UEAA522-O1	12-UEAE522-O1	12-UEAC522-O1
	≤-160dBc	12-UEAA722-O1	12-UEAE722-O1	12-UEAC722-O1

Electrical Specifications	
Frequency Range	698-2700MHz
Insertion loss	3±0.5dB
VSWR/ Return loss	≤1.25/-19dB
Isolation	≥25dB
Power Rating	300W
Impedance	50Ω

Mechanical Specifications			
PortMatrix	2x2		
Dimensions	158.9x42x29.5mm		
Weight	0.4kg	0.5kg	0.7kg
Color	Black		

Environmental Specifications	
Temperature	-40°C~+65°C
Humidity	≤95%
IP Rating	IP65, Indoor & Outdoor

Installation Specifications	
Installation Method	Wall Mounting

### Product



Unit measurements inmm

Disclaimer: All images are for reference purposes only

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