

DATA SHEET

15-UCDEXXS-O1 | CAVITY POWER SPLITTER

Frequency: 698-4200MHz | Splits: 2/3/4 Way | Connector: 4.3-10 Female | PIM: -150/-155/-160dBc

Usage: Indoor & Outdoor | Power : 300W | Type: Square

OVERVIEW

BRIDGE Cavity Splitter is the product to split power by equal ways, usually it includes 2 ways, 3 ways and 4 ways. High power handling is the cavity splitter feature. Widely used indoor signal coverage to distribute the power to antenna points.

BRIDGE Cavity Splitter is using wide band technology to coverage the wide band range signals from 698-4200MHz. Reach -150/-155/-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 taking good and rugged materials as option, which will make sure long product working life and stable working performance.

FEATURES

- Wide working range from 698-4200MHz
- 2ways, 3 ways and 4 ways is standard types, any more 4 ways is customized as optional
- PIM level is optional at -150 dBc/ -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
- Round and Square cavity body is main two series
- High power handling

TECHNICAL DATA

Part Number				
Splits		2 Way	3 Way	4 Way
PIM:IM3 (2X43 dBm)	≤-150dBc	15-UCDE32S-O1	15-UCDE33S-O1	15-UCDE34S-O1
	≤-155dBc	15-UCDE52S-O1	15-UCDE53S-O1	15-UCDE54S-O1
	≤-160dBc	15-UCDE72S-O1	15-UCDE73S-O1	15-UCDE74S-O1

Electrical Specifications			
Frequency Range	698-4200MHz		
Distribution Loss	3.0dB	4.8dB	6.0dB
Insertion loss	≤0.4dB	≤0.5dB	≤0.6dB
Return loss	≤-19dB		
Power Rating	300W		
Impedance	50Ω		

Product



Mechanical Specifications			
Connectors	4.3-10 Female		
Dimensions(mm)	199 x 25 x 25	234 x 25 x 25	236 x 25 x 25
Weight	0.37kg	0.45kg	0.5kg
Color	Black		

Environmental Specifications	
Temperature	-25°C~+65°C
Humidity	≤95%
IP Rating	IP65, Indoor & Outdoor

Installation Specifications	
Installation Method	Wall Mounting

Unit measurements in mm

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Revised | A.1.1

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