

Directional Coupler RFDCF108-218

Features:

- Flat Coupling
- Broadband
- Economical
- Small & Rigid design

Description:

The RFDCF108-218 is a 29 dB \pm 2 dB coupling Directional coupler. RFDCF108-218 offers an industry leading combination of operating bandwidth and size. The low insertion loss makes this product a versatile for use in a variety of systems and sub system designs.

Applications:

- ISM Band
- Cellular
- Bluetooth
- Zigbee

Optional Accessories:

- SMA(M) to SMA(M) 50 Ohms cable as per user requirement (Figure. 1)
- 50 Ω Termination
- Directional Coupler Kit

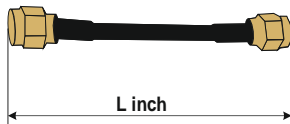


Figure 1

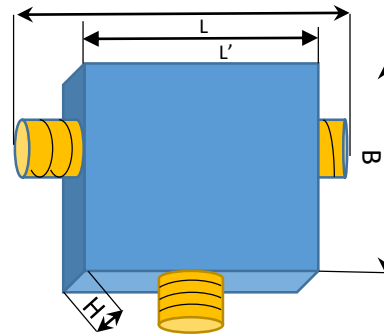


Electrical Specifications:

Frequency Range:	1.0 to 2.17 GHz
Insertion Loss:	0.5dB (Max.)
Input Power:	+27dBm (Max.)
Coupling:	29 dB \pm 2 dB
Return Loss (Input):	-34dB Min
Return Loss (Output):	-38dB Min
Operating temperature:	0 $^{\circ}$ C to 50 $^{\circ}$ C
In/Out Connector:	SMA (F)

Mechanical Specification:

Dimension (L x W x H) (mm) :

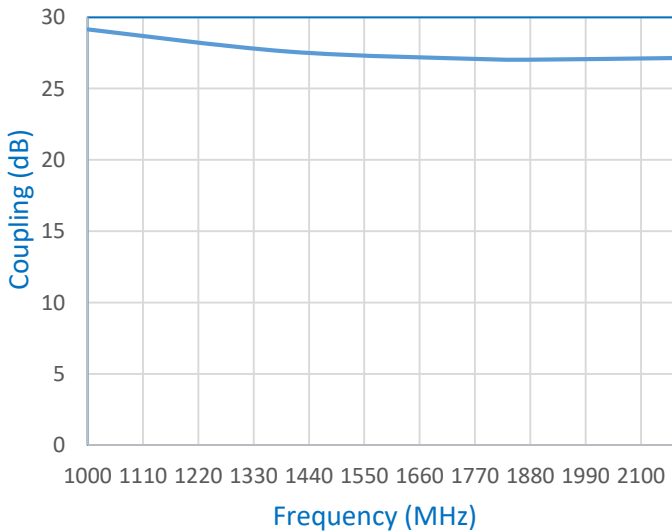


L = 61.5
L' = 42.5
B = 42.5
H = 16.9

Shape: Rectangular Cuboidal Shape

Weight: 55gm

FREQUENCY VS COUPLING



FREQUENCY VS RETURN LOSS

