

# Directional Coupler RFDCF108-218

## Features:

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

The RFDCF108-218 is a Broadband Flat 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:

- Broadcasting
- Aviation
- Cellular
- Military

## Optional Accessories:

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

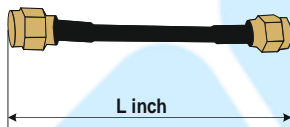


Figure 1

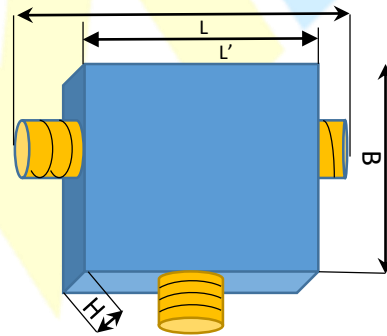


## Electrical Specifications:

Frequency Range:	1.0 to 2.1 GHz
Insertion Loss:	-1 dB
Input Power:	+27dBm
<b>Coupling:</b>	
1.0 GHz – 2.1 GHz	-29 ± 2 dB
Return Loss (Input):	-20 dB Min
Return Loss (Output):	-20 dB Min
Operating temperature:	0 °C to 50 °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

