

# Directional Coupler RFDCF218-278

## Features:

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

## Description:

The RFDCF218-278 is a 29 dB  $\pm$  2 dB coupling Directional coupler. RFDCF218-278 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 $\Omega$  Termination
- Directional Coupler Kit

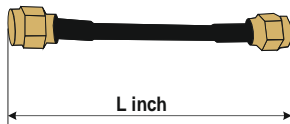
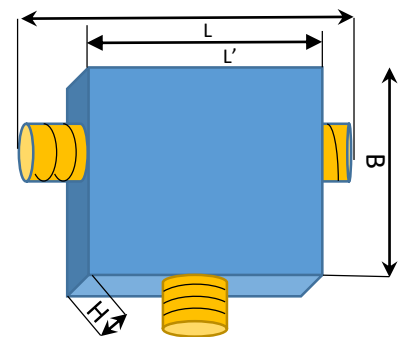


Figure 1



Electrical Specifications:	
Frequency Range:	2.17 to 2.7 GHz
Insertion Loss:	0.5dB (Max.)
Input Power:	+27dBm (Max.)
Coupling:	29dB $\pm$ 2 dB
Return Loss (Input):	-25dB Min
Return Loss (Output):	-25dB Min
Operating temperature:	0 °C to 50 °C
In/Out Connector:	SMA (F)
Mechanical Specification:	
Dimension (L x W x H) (mm) :	 <p style="text-align: right;">                     L = 61.5                      L' = 42.5                      B = 42.5                      H = 16.9                 </p>
Shape:	Rectangular Cuboidal Shape
Weight:	55gm

