

2.0 ~ 18.0 GHz Directional Coupler¹



Key Features:

Broad Frequency Range: 2.0 ~ 18.0 GHz
Coupling: 10 dB
Low Insertion Loss: 1.2 dB (max)
High Directivity: 15 dB (min)
Connectors: SMA (F)
Surface Coating: Black paint

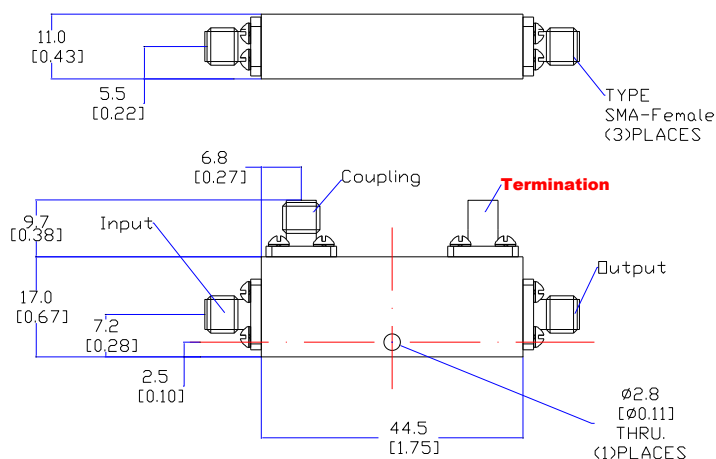
Photo not available

Electrical Specifications: (at +25°C)

Testing Item	Symbol	Test Constraints	Min	Nom	Max	Unit
Frequency Range	BW		2.0		18.0	GHz
Insertion Loss	S_{21}	2.0 ~ 18.0 GHz			1.2	dB
Coupling		2.0 ~ 18.0 GHz		10		dB
Coupling Flatness		2.0 ~ 18.0 GHz		+/-1.0		
Directivity		2.0 ~ 12.4 GHz 12.4 ~ 18.0 GHz	15 12			dB
VSWR		2.0 ~ 18.0 GHz			1.50:1	
Power Handling (CW)	P_{in}	2.0 ~ 18.0 GHz			25	W
Power Handling (Peak)	P_{in}	2.0 ~ 18.0 GHz			1K	W
Operating Temperature		2.0 ~ 18.0 GHz	-25		+65	°C
Impedance		2.0 ~ 18.0 GHz		50		ohm

Outline Drawing (not scaled)

Units: mm [inches]



¹ Specifications subject to change without notice.

Ordering Information

Part Number	RCPC020180A10S
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