6 to 18GHz 30 Watts Stripline Directional Coupler

ID : DC00174 PN : DC20-060180SF

Features

- Nominal Coupling 20dB
- Low Coupling Balance ±1dB
- Low Insertion Loss 0.6dB
- RoHS and REACH Compliant
- High Directivity 12dB

Electrical Specifications

Description	Units	Minimum	Typical	Maximum
Freq. Range	GHz	6		18
Nominal Coupling	dB		20	
Coupling Balance	dB		±1	
Insertion Loss (True)	dB			0.6
Freq. Flatness	dB			1.0
Main Line VSWR				1.5
Secondary Line VSWR				1.5
Directivity	dB	12		
Input Power (CW)	W			30
Input Power (Peak)	KW			0.5
Impedance	Ohms		50	
Operating Temp.	℃	-45		+85

Special Requirements

Note

- Electronic Specification Note：Values at 25deg , sea level. Test indicators will deteriorate at high and low temperature ;
- Insertion Loss Including Nominal Coupling Loss 0.04 dB. ;
- Relative Humidity 5 to 95% ;

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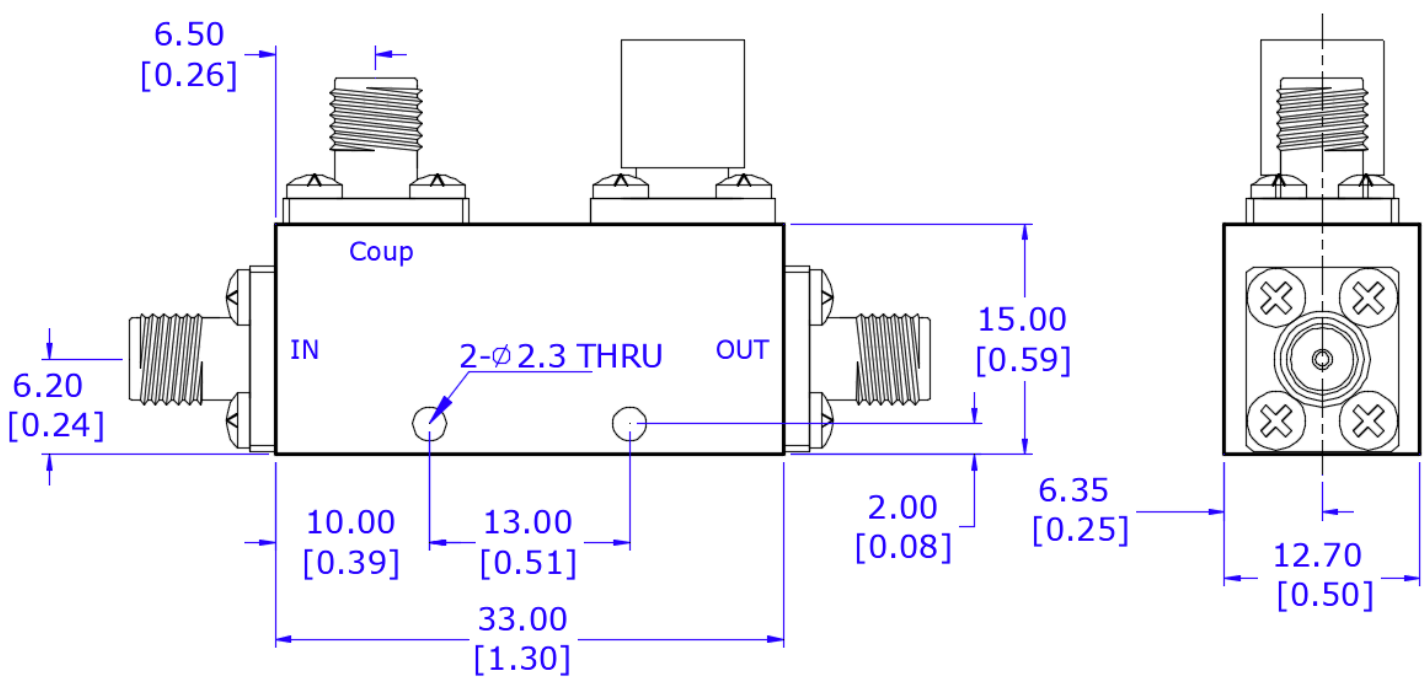
Mechanical Specifications

Dimension L*W*H	33*15*12.7 mm
Input Connector	SMA-Female Stainless Steel
Output Connectors	SMA-Female Stainless Steel
Weight	TBD g
Finishing	Paint Black
Environment	Nominal

Compliance Certifications

RoHS Compliant	√
REACH Compliant	√

CAD Drawing



Dimensions are in mm [Inches]
Tolerances：Outline drawing: ±0.2 [0.008]
Hole: ±0.2 [0.008]

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