ECP118010 Ultra Broadband Directional Coupler

1.0 to 18.0 GHz

Technical Characteristics

Product Features
Low Loss
Excellent Frequency Sensitivity
Power: 20W CW/3KW Peak

Maximum Ratings	
Max Input Power Peak (Watts)	3000
Max Input Power CW (Watts)	30

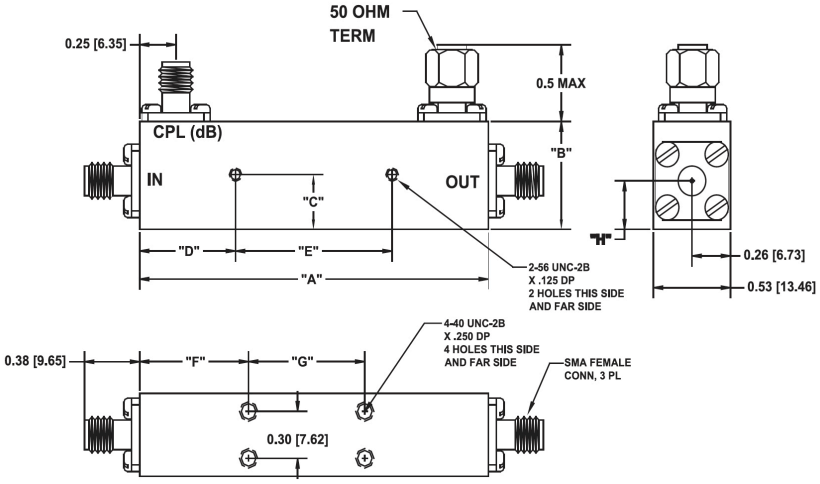
Product Export Classification
ECCN: EAR 99 (unless otherwise specified) HTS: 85543.70.8000

Specifications @ +25°C

Electrical Specifications

Parameters	Freq. (GHz)	Min.	Typical	Max.	Units
Insertion Loss	1.0-18.0		1.5	1.6	dB
VSWR	1.0-18.0		1.4	1.45	
Directivity	1.0-18.0	12.0	14.0		dB
Coupling	1.0-18.0		10.0		dB
Frequency Sensitivity	1.0-18.0		+/-0.45	+/-0.55	dB
CW Power Handling				30	Watts
Power Handling (Peak) (1 µSec. Pulse Width, 0.1% Duty Cycle)				3000	Watts

Outline drawing



Dimensions - inches [mm]								
Outline	A	B	C	D	E	F	G	H
1	3.5 [88.90]	0.73 [18.54]	N/A	N/A	N/A	1.0 [25.4]	1.25 [31.75]	0.25 [6.35]
2	2.4 [60.96]	0.69 [17.52]	0.38 [9.65]	0.66 [16.76]	1.078 [27.38]	0.75 [19.05]	0.80 [20.32]	0.31 [7.87]

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