

# Ultra-Broadband Directional Coupler

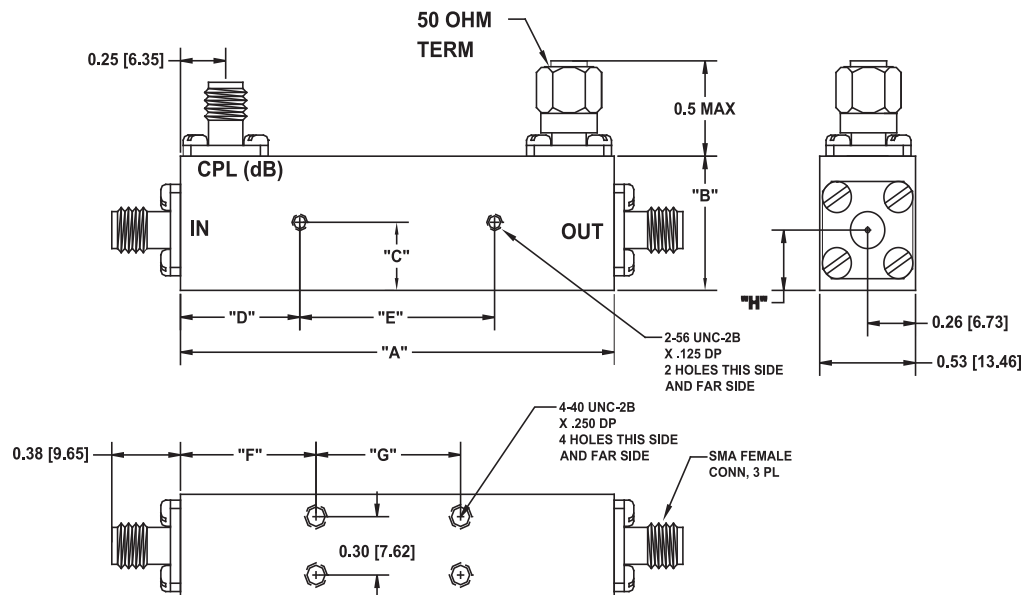
1.0 to 18.0 GHz

MODEL NO: ECP118010

- **Low Loss**
- **Excellent Frequency Sensitivity**
- **Power: 20WCW/3KW Peak**

Parameters	SPECIFICATION				Units
	FREQ. (MHz)	MIN	TYPICAL	MAX	
Insertion Loss	1000 to 18000		1.5	1.6	dB
VSWR	1000 to 18000		1.40:1	1.45:1	
Directivity	1000 to 18000	+12	+14		dB
Coupling (1)	1000 to 18000		10		dBm
Frequency Sensitivity(1)	1000 to 18000		± 0.45	± 0.55	dB
CW Power Handling				20	Watt
Power Handling (Peak) (1 usec Pulse Width, 0.1% Duty Cycle)				3000	Watts

1. Reference to output power



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]