

Directional Coupler

7.0—12.4 GHz

- High power handle capability up to 50W
- High Directivity
- Low Insertion loss
- Low temperature coefficient material offer stable
- LMDS multi-carrier operation



RF Parameters		Min.	Тур.	Max.	Units	
Frequency Range		7		12.4	GHz	
Nominal Coupling		5	6	7	dB	
Frequency Sensitivity			±0.3	±0.5	dB	
Directivity		13	15		dB	
Insertion Loss (Excl Coupling)				0.3	dB	
Insertion Loss (true)			1.5	1.8	dB	
Primary VSWR			1.2	1.3	: 1	
Secondary VSWR			1.2	1.3	:1	
Power Rating	Average	50			W	
	Peak	1 (1% Duty Cycle, 1 us Pulse Width)			W	
Impedance		50			Ohms	
Weight		0.8 Max.			ounces	
Input / Output Connectors		SMA-Female (Stainless steel)				
Material		Aluminium				
Finishing			Gray Paint			













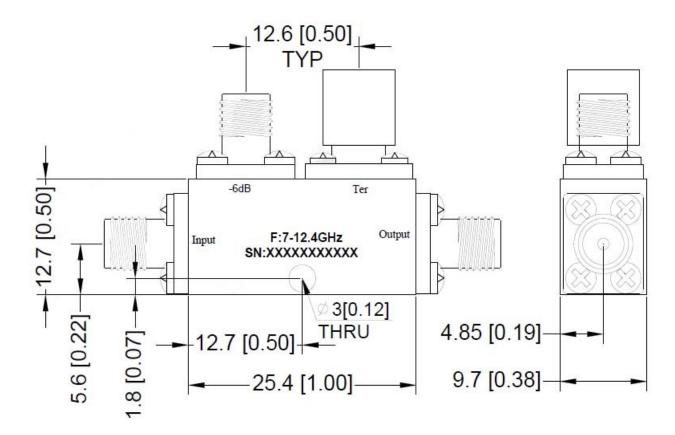




Environmental Specification				
Operational Temperature	-40°C~+85°C			
Storage Temperature	-50°C~+105°C			
Altitude	30,000 ft. (Epoxy Sealed Controlled environment)			
(Optional)	60,000 ft. 1.0psi min (Hermetically Sealed Un-controlled environment)			
Vibration	25g RMS (15 degrees 2KHz) endurance, 1 hour per axis			
Humidity	100% RH at 35°c, 95%RH at 40°c			
Shock	20G for 11msec half sine wave,3 axis both directions			

Physical dimensions ±0.5mm (0.02 inches):

Mounting Holes Tolerances ±0.2mm (0.008 inches)



Note 1: The specification is subject to regular reviews and will be updated from time to time as part of our continuing product development and improved spec accuracy.

Note 2: Operation beyond the quoted limits stated above may cause instantaneous and permanent damage.

