



### Highpass Filter

- ◆ High Rejection
- ◆ Low Insertion Loss
- ◆ Miniaturization
- ◆ Excellent Reliability
- ◆ Customization available



Electrical Specifications			
Parameters	Units		Specifications
Pass Band Frequency	MHz		3100-12000
Insertion Loss	dB	Max	1.0
Ripple	dB	Max	TBD
VSWR	/	Max	1.6:1
Group Delay Variation	ns	Max	TBD
Phase Matching	deg	Max	TBD
Rejection	≥50dB@DC-2650MHz		
Power Handling	15W cw max		

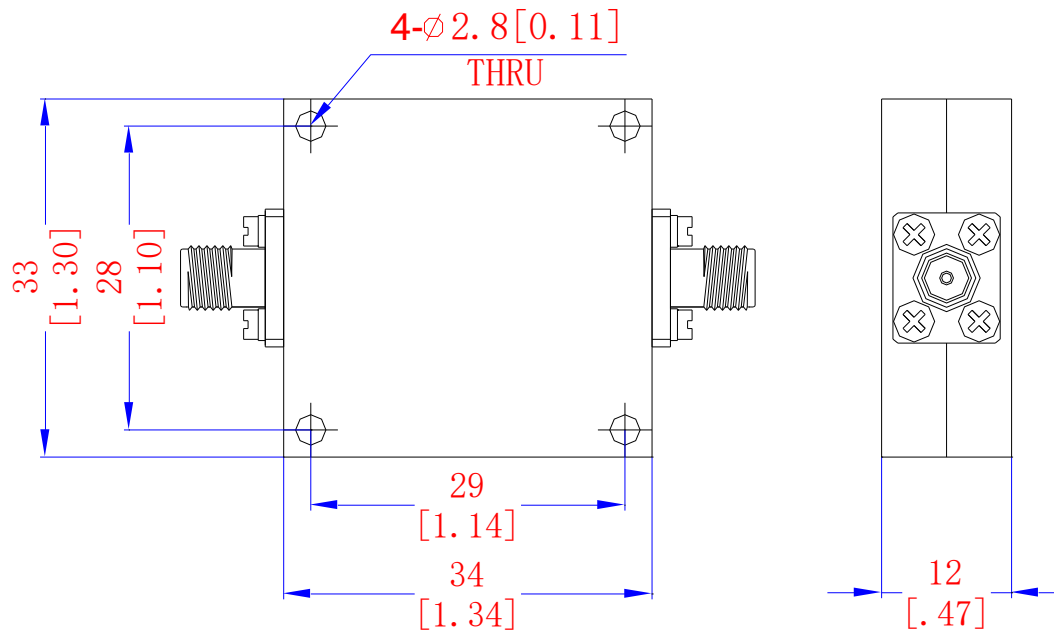
**50 ohms Microstrip High Pass Filter**

SN:2107-200401    Version: A0

Mechanical Specifications		Environmental Specification	
Parameter	Specification	Parameter	Specification
Input Connectors	SMA-Female (50Ω)	Operating Temp.	-40°C to +70°C
Output Connectors	SMA-Female (50Ω)	Storage Temp.	-55°C to +85°C
ROHS	Yes	Environment Class	TBD
Material	Aluminum (6061)	Altitude	30,000 ft.
Weight(Kg)	TBD		(Epoxy Sealed Controlled environment)
Surface Finish	Black Painted	Humidity	95%RH at 40°C
Shock	20G for 11msec half sine wave,3 axis both directions		
Note			

### Outline Drawing:

All Dimensions in mm (inches)  
 Outline Tolerances ±0.3(0.012)



**Test Plot**


Trc1 **S11** SWR    200 mU/    Ref 1 U    Cal  
 Trc2 **S21** dB Mag    10 dB /    Ref 0 dB    Cal  
 Trc3 **S12** dB Mag    10 dB /    Ref 0 dB    Cal  
 Trc4 **S22** SWR    200 mU/    Ref 1 U    Cal

1 of 1 (Max)

