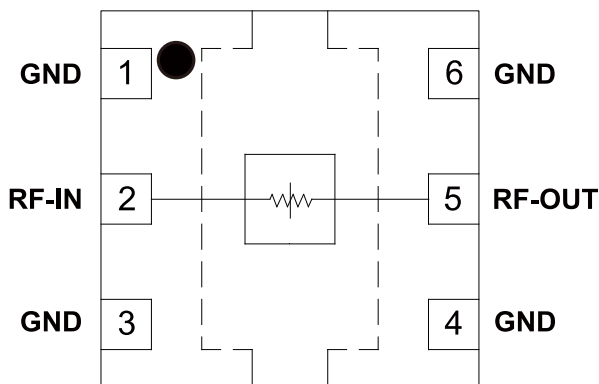
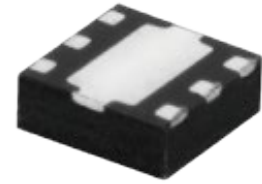


Features

- Wideband, DC to 60 GHz
- High Power Handling, 1.4 W
- Excellent Return Loss
- 1.5x1.5 mm, 6-Lead QFN-Style Package
- Human Body Model (HBM): Class 2(> 2000 V)
- Charged Device Model (CDM): Class C3 (≥1000V)
- Moisture Sensitivity: MSL1



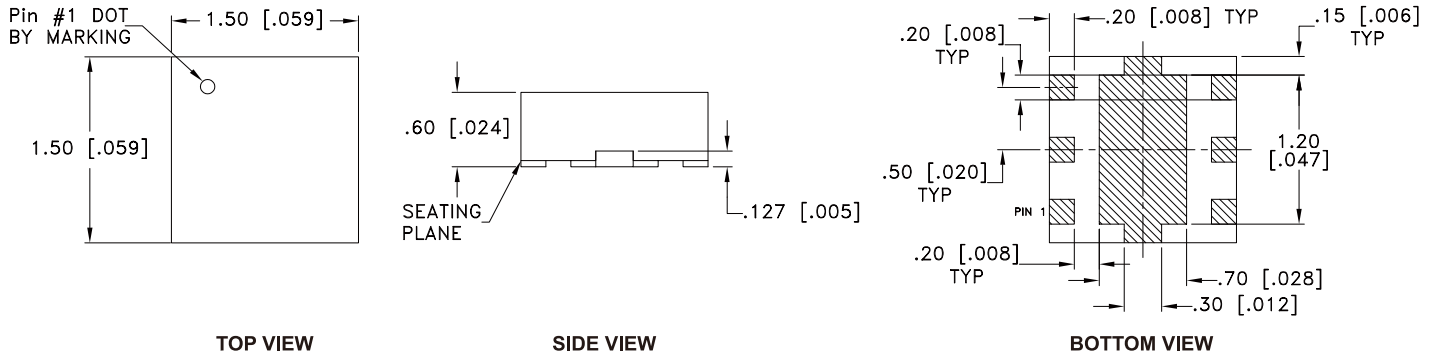
Applications

- Test & Measurement Equipment
- Satellite Communications
- Radar, EW, and ECM Defense Systems
- Telecom Infrastructure
- 5G sub-6 GHz and mmW

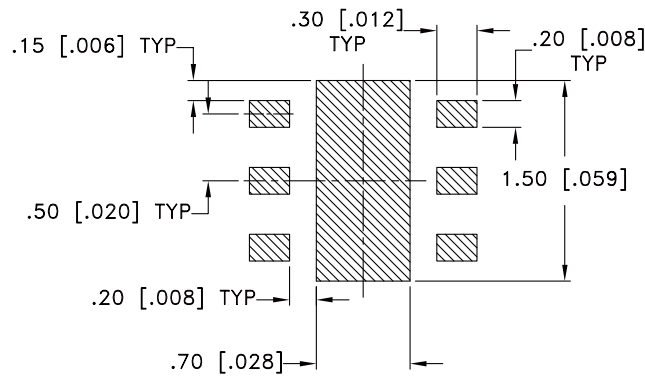
Electrical specifications at 25°C

Parameter	Frequency (GHz)	Min.	Typ.	Max.	Units
Frequency Range		0.01		60	GHz
Attenuation	0.01-10	14.5	15.0	15.5	dB
	10-20	14.3	14.9	15.7	
	20-30	14.0	15.0	15.9	
	30-40	13.8	14.7	15.9	
	40-50		14.3		
	50-60		14.0		
Input Return Loss	0.01-10		27		dB
	10-20		28		
	20-30		20		
	30-40		18		
	40-50		18		
	50-60		16		
Output Return Loss	0.01-10		27		dB
	10-20		28		
	20-30		20		
	30-40		18		
	40-50		18		
	50-60		16		
Input RF Power			1.4		W
Operating & Storage Condition Operation Temperature Range: -45°C to +105°C Storage Temperature Range: -65°C ~ +150°C					

Outline Drawing (Units= mm [inches])



PCB Land Pattern (Units= mm [inches])

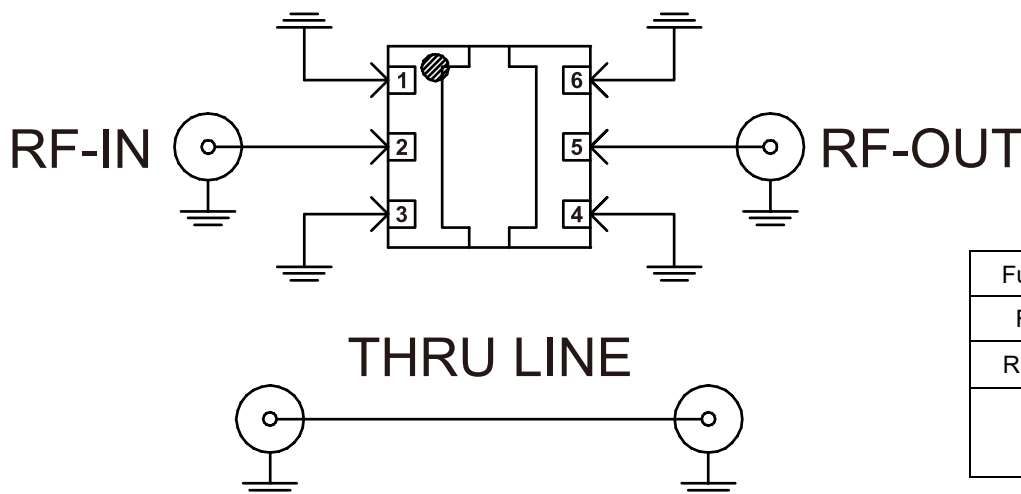


Suggested Layout,
Tolerance to be within ± 0.050 mm

NOTES:

1.  DENOTES METALLIZATION

Functional Diagram



Function	Pad Number
RF-IN	2
RF-OUT	5
GND	1, 3, 4, 6 & Paddle

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For detailed performance specs & shopping online see Yantel web site : www.yantel-corp.com