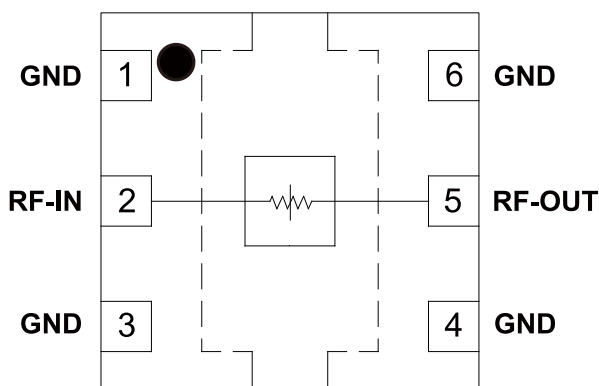
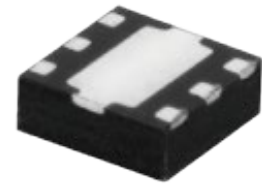


Features

- Wideband, DC to 60 GHz
- High Power Handling, 0.9 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



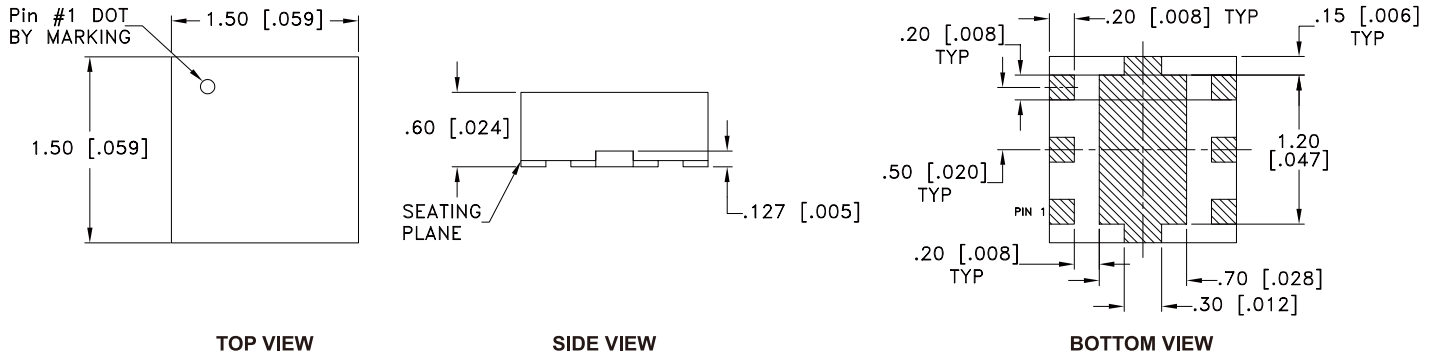
Applications

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

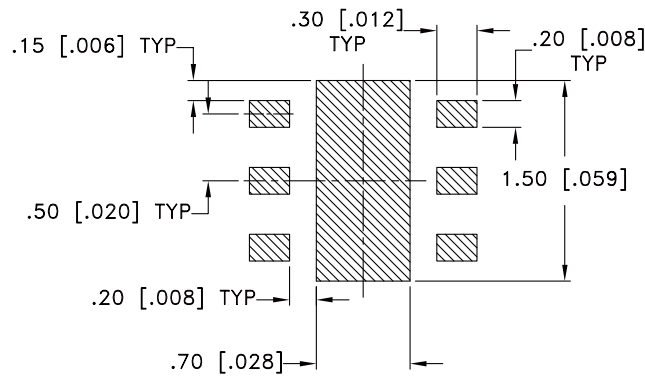
Electrical specifications at 25°C

Parameter	Frequency (GHz)	Min.	Typ.	Max.	Units
Frequency Range		0.01		60	GHz
Attenuation	0.01-10	29.4	30.0	30.6	dB
	10-20	29.6	30.3	31.2	
	20-30	28.8	30.9	31.8	
	30-40	29.3	31.1	32.9	
	40-50		30.7		
	50-60		30.7		
Input Return Loss	0.01-10		25		dB
	10-20		28		
	20-30		21		
	30-40		17		
	40-50		16		
	50-60		15		
Output Return Loss	0.01-10		25		dB
	10-20		28		
	20-30		21		
	30-40		17		
	40-50		16		
	50-60		15		
Input RF Power			0.9		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])

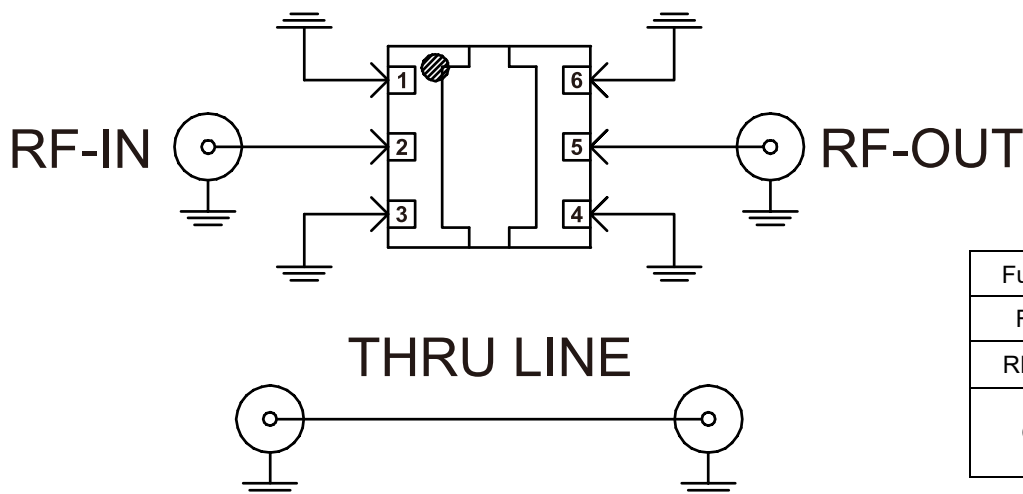


Suggested Layout,
Tolerance to be within ± 0.050 mm

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