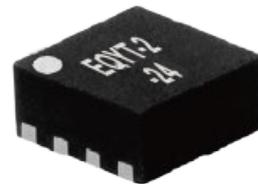
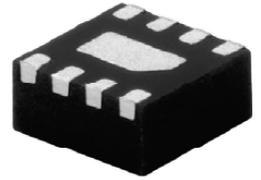
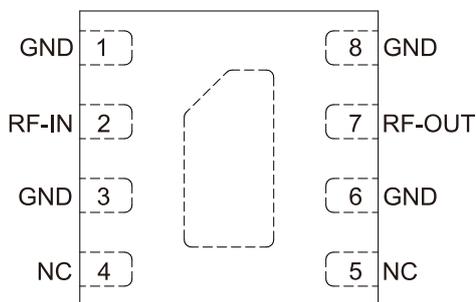


Features

- 2.1 dB Slope
- Negative Insertion Loss Slope vs. Frequency
- Wideband operation, DC to 20 GHz
- Excellent Power Handling Capability
- Small Size and simple to use (2 mm x 2 mm)
- Human Body Model (HBM): Class 2 (Pass 2000V)



TOP VIEW



Applications

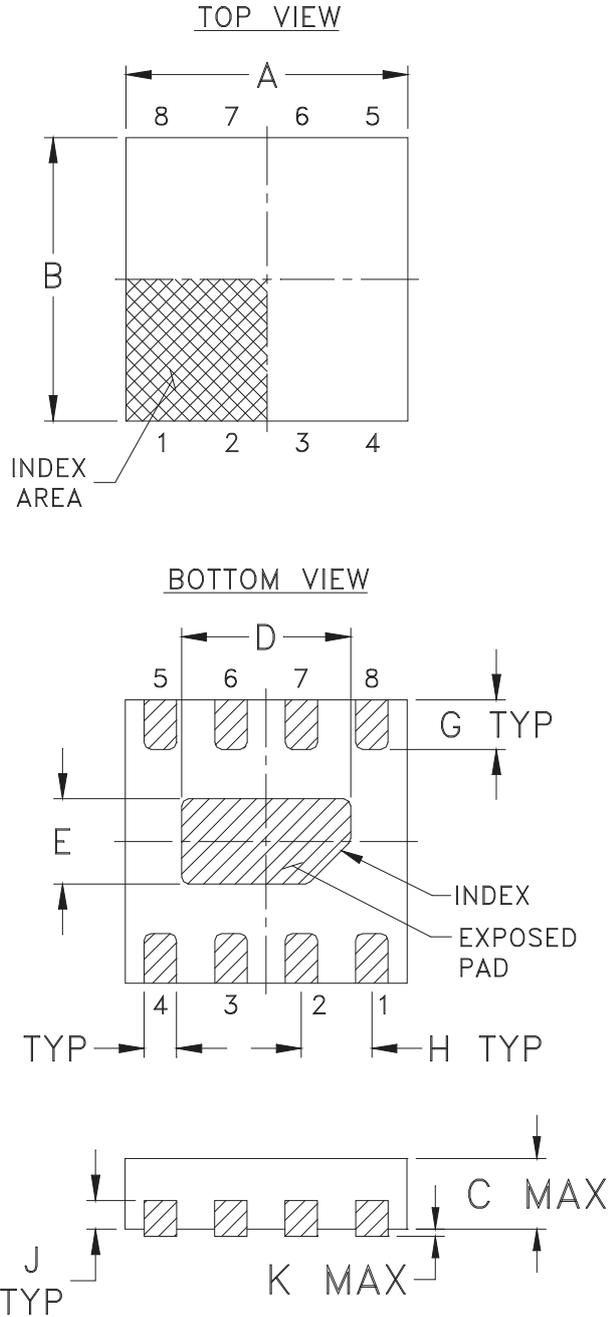
- Fixed Satellite
- Mobile
- Radio location
- Space research

Electrical specifications at 25°C

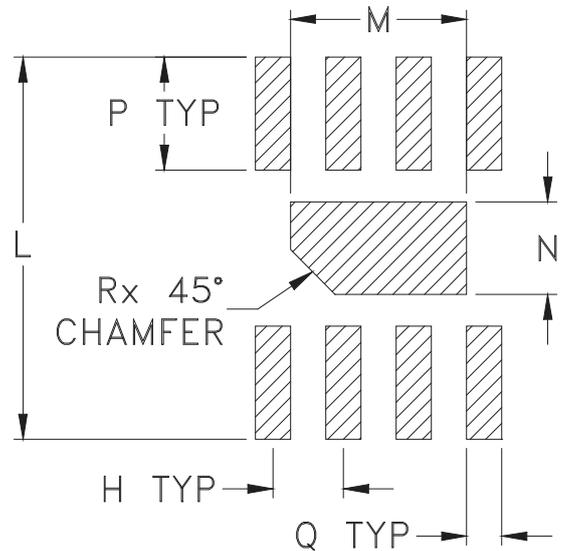
Parameter	Condition (GHz)	Min.	Typ.	Max.	Units
Frequency Range		DC		20	GHz
Insertion Loss	0.01	2.8	3.0	3.4	dB
	5	-	2.7	-	
	10	-	1.7	-	
	18	0.7	1.0	1.3	
	20	-	0.9	-	
VSWR	0.01-5	-	1.04	-	:1
	5-10	-	1.16	-	
	10-18	-	1.25	-	
	18-20	-	1.11	-	
			-		
*Input RF Power		31			dBm
Operating & Storage Condition					
Operation Temperature Range: -55°C ~ +105°C					
Storage Temperature Range: -65°C ~ +150°C					

*Derates linearly to +29 dBm at 105°C

Outline Drawing



PCB Land Pattern



A	B	C	D	E	F	G	H	J	K	L	M
.079 (2.00)	.079 (2.00)	.039 (1.00)	.047 (1.20)	.024 (.60)	.009 (.23)	.014 (.35)	.020 (.50)	.008 (.20)	.002 (.05)	.106 (2.70)	.049 (1.25)
N	P	Q	R	WT, GRAM							
.026 (.65)	.031 (.80)	.010 (.25)	.012 (.30)	.006							

Units= inches (mm)

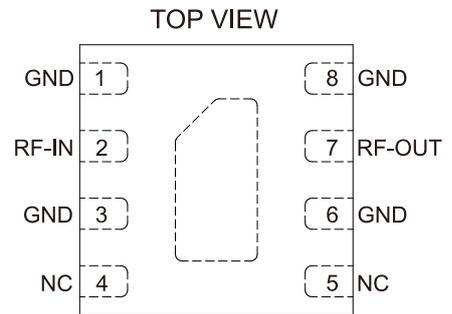
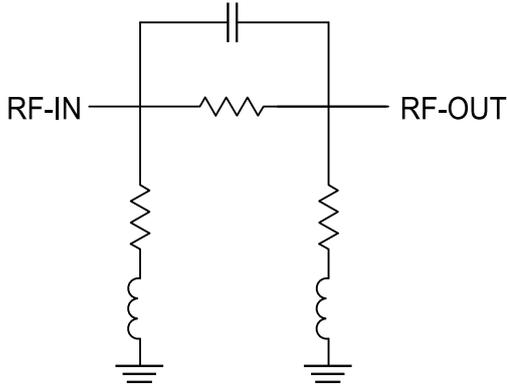
Tolerances=±.01 (±.25)

Yantel Corporation

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

Simplified Schematic And Pad Description



Function	Pad Number	Description
RF-IN	2	RF-Input pad
RF-OUT	7	RF-Output pad
GND	1,3,6,8 & Paddle	Ground
NC	4,5	No connection, connected to ground externally

Characterization Test Circuit

