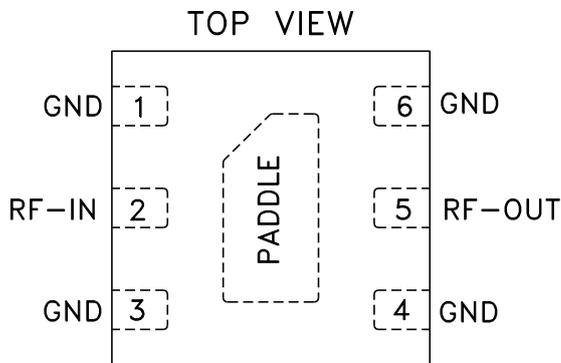
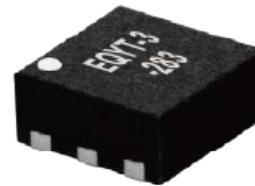
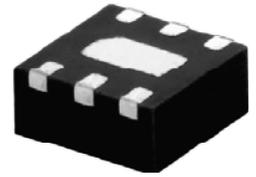


Features

- 3.4 dB Slope
- Negative Insertion Loss Slope vs. Frequency
- Wideband operation, DC to 28 GHz
- Excellent Power Handling Capability
- Small Size and simple to use (2 mm x 2 mm)
- Human Body Model (HBM): Class 2 (Pass 2000V)
- Moisture Sensitivity: MSL1



Applications

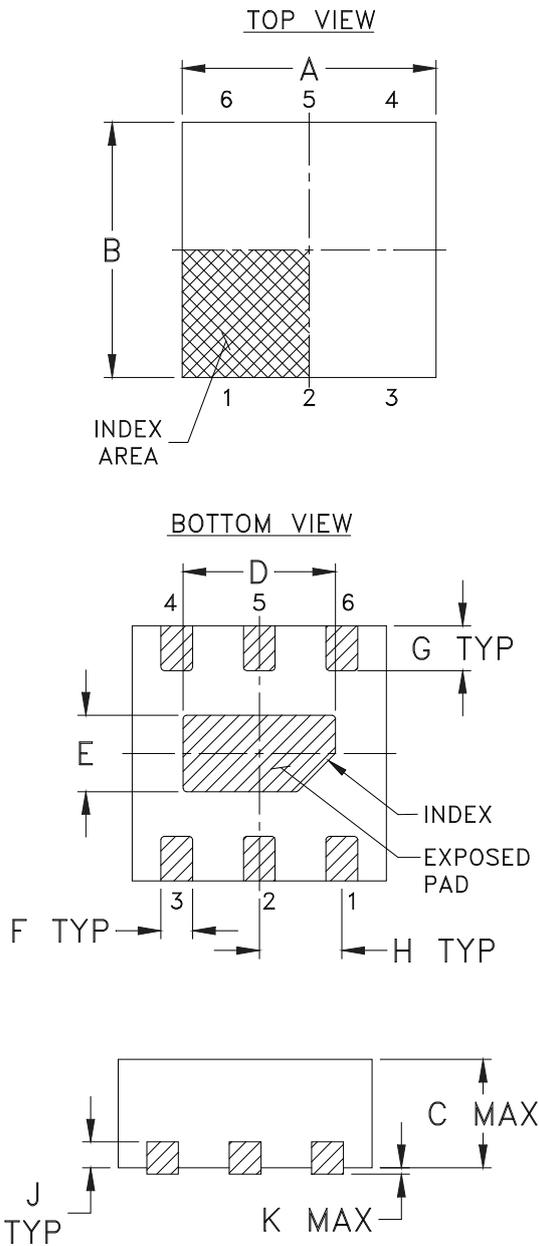
- Cellular Infrastructure
- 5G
- Wideband Communications
- Test Instrumentation
- Defense

Electrical specifications at 25°C

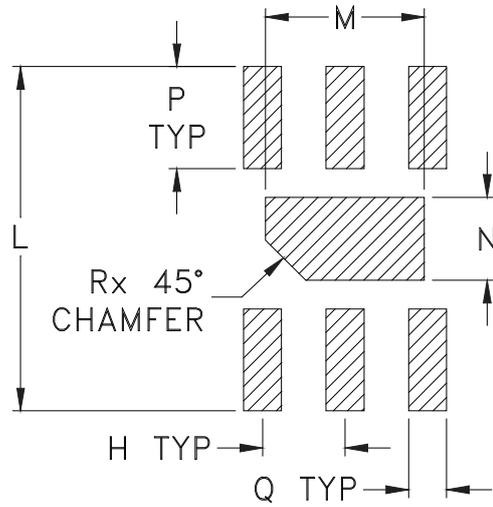
Parameter	Condition (GHz)	Min.	Typ.	Max.	Units
Frequency Range		DC		28	GHz
Insertion Loss	0.01	3.7	4	4.3	dB
	10	2.9	3.3	3.8	
	20	1.1	1.5	1.8	
	28	0.2	0.6	1.2	
	30	-	0.6	-	
VSWR)	0.01-10	-	1.14	-	:1
	10-20	-	1.11	-	
	20-28	-	1.18	-	
	28-30	-	1.21	-	
*Input RF Power		31			dBm
Operating & Storage Condition					
Operation Temperature Range: -55°C ~ +105°C					
Storage Temperature Range: -65°C ~ +150°C					

*Derates linearly to +27 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)	.010 (.25)	.014 (.35)	.026 (.65)	.008 (.20)	.002 (.05)	.106 (2.70)	.049 (1.25)
N	P	Q	R	WT, GRAM							
.026 (.65)	.031 (.80)	.012 (.30)	.012 (.30)	.006							

Units= inches (mm)

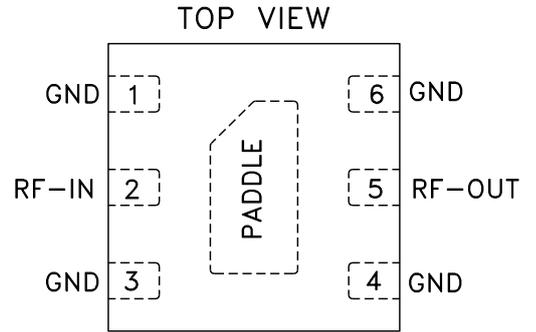
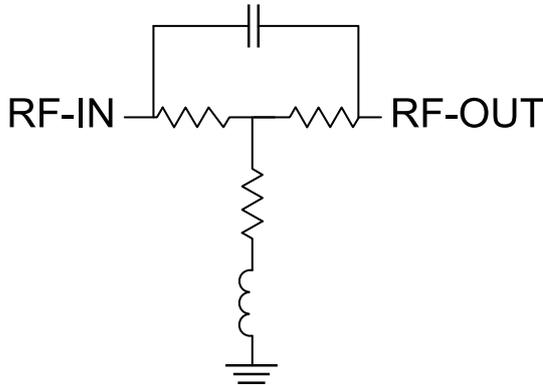
Tolerances=±.01 (±.25)

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	5	RF-Output pad
GND	1,3,4,6 & Paddle	Ground

Characterization Test Circuit

