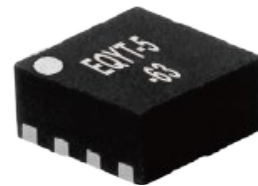
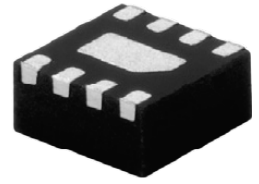


Features

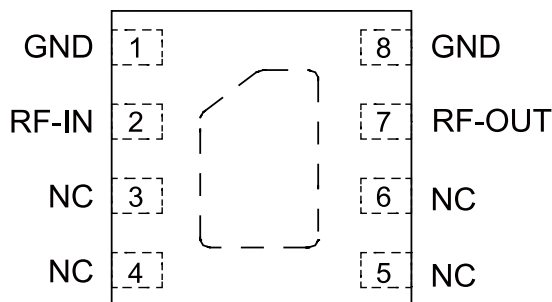
- 5.0 dB Slope
- Negative Insertion Loss Slope vs. Frequency
- Wideband operation, DC to 6 GHz
- Excellent Power Handling Capability
- Small Size and simple to use (2 mm x 2 mm)
- Human Body Model (HBM): Class 2 (Pass 2000V)



Applications

- Cellular
- PCS
- Communications
- Radar
- Defense

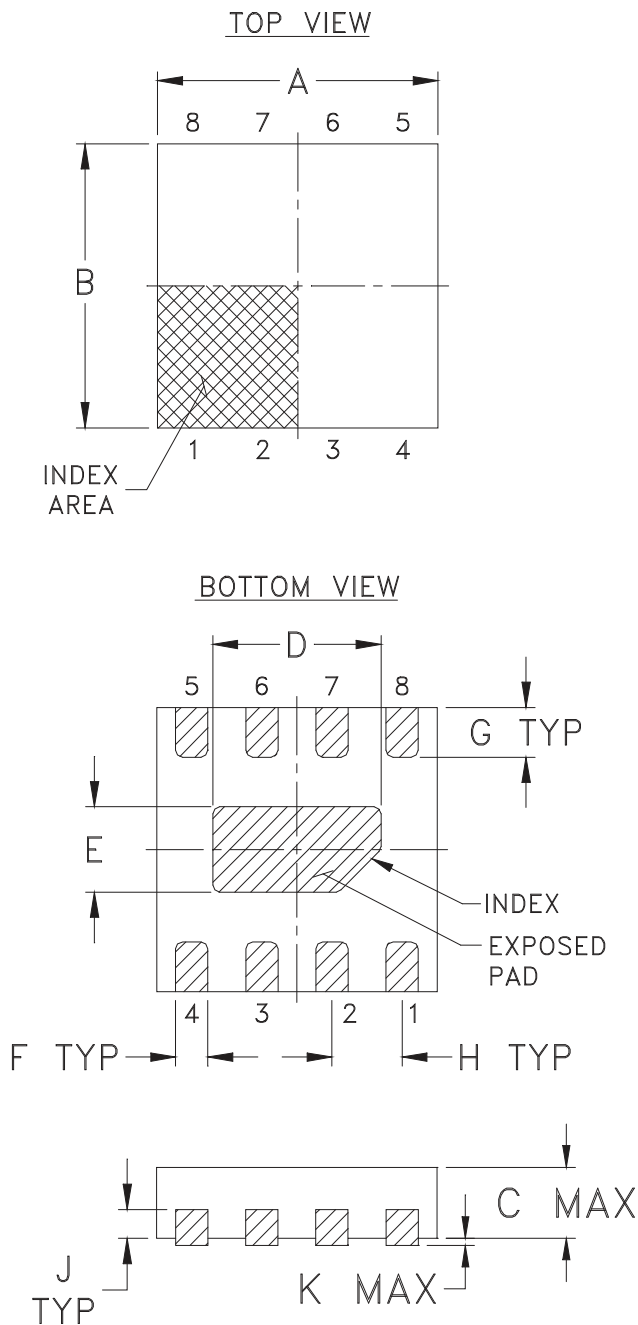
TOP VIEW



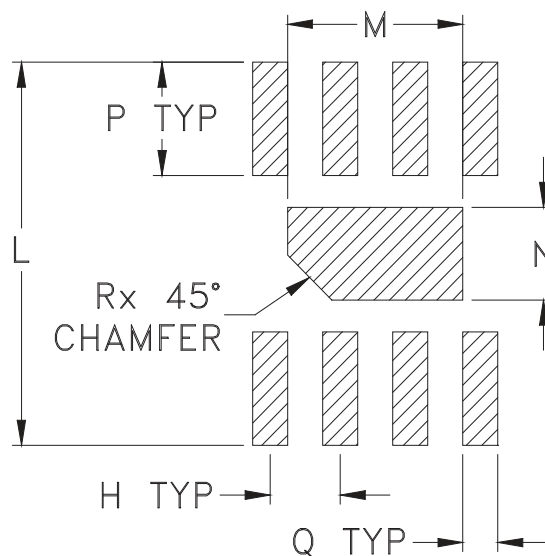
Electrical specifications at 25°C

Parameter	Condition (GHz)	Min.	Typ.	Max.	Units
Frequency Range		DC		6	GHz
Insertion Loss	0.01	5.7	6.0	6.4	dB
	1	-	5.6	-	
	2	-	4.6	-	
	3	3.0	3.5	3.8	
	4	-	2.4	-	
	5	-	1.6	-	
	6	0.4	1.0	1.3	
VSWR	0.01-1	-	1.04	-	:1
	1-2	-	1.08	-	
	2-3	-	1.11	-	
	3-4	-	1.12	-	
	4-5	-	1.14	-	
	5-6	-	1.24	-	
Input RF Power	31				dBm
Operating & Storage Condition Operation Temperature Range: -40℃ ~ +85℃ Storage Temperature Range: -65℃ ~ +150℃					

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=±.005 (±.13)

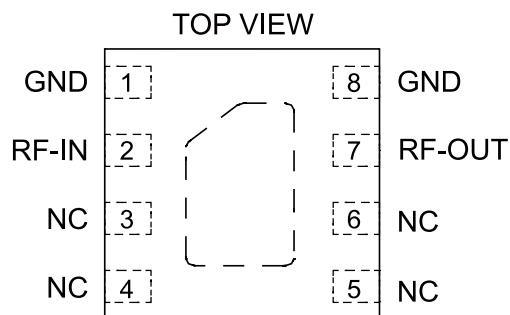
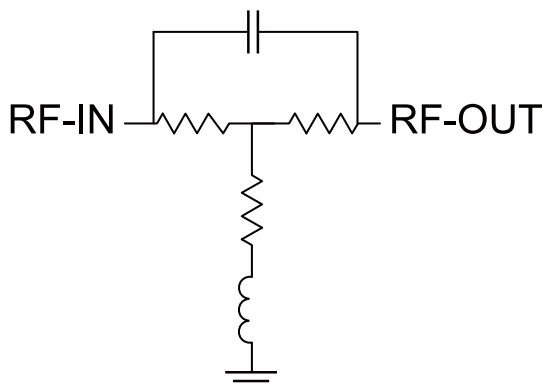
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For detailed performance specs & shopping online see Yantel web site : www.yantel-corp.com

Simplified Schematic And Pad Description



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

Characterization Test Circuit

