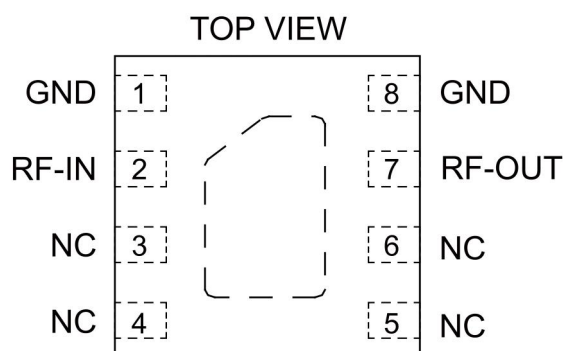
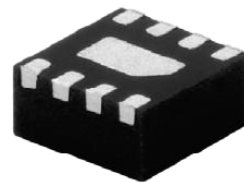


Features

- 6.5 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)



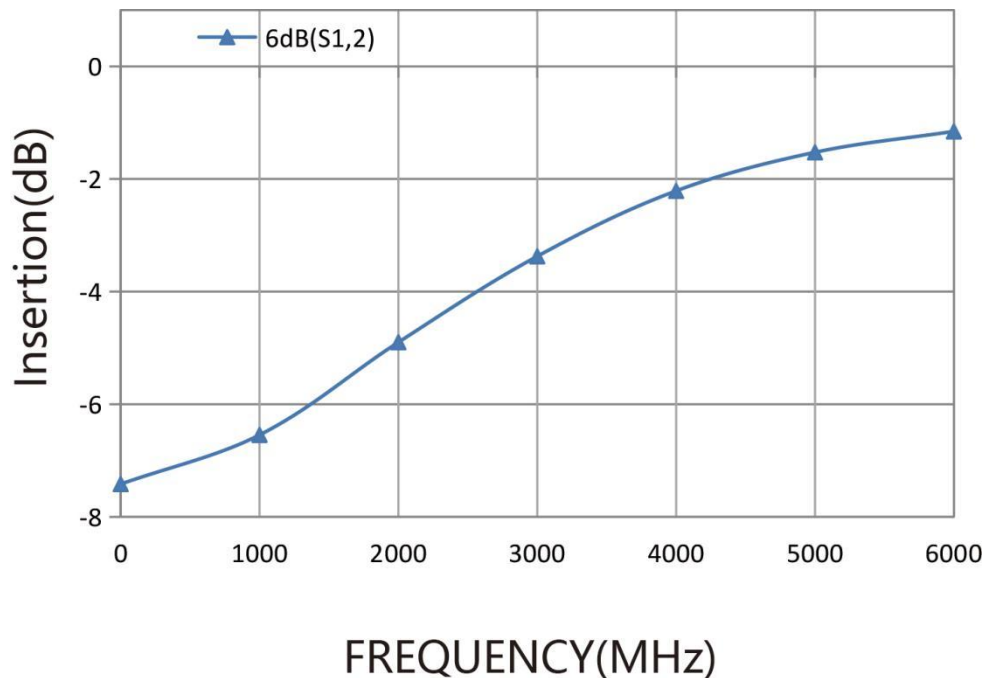
Applications

- Cellular
- PCS
- Communications
- Radar
- Defense

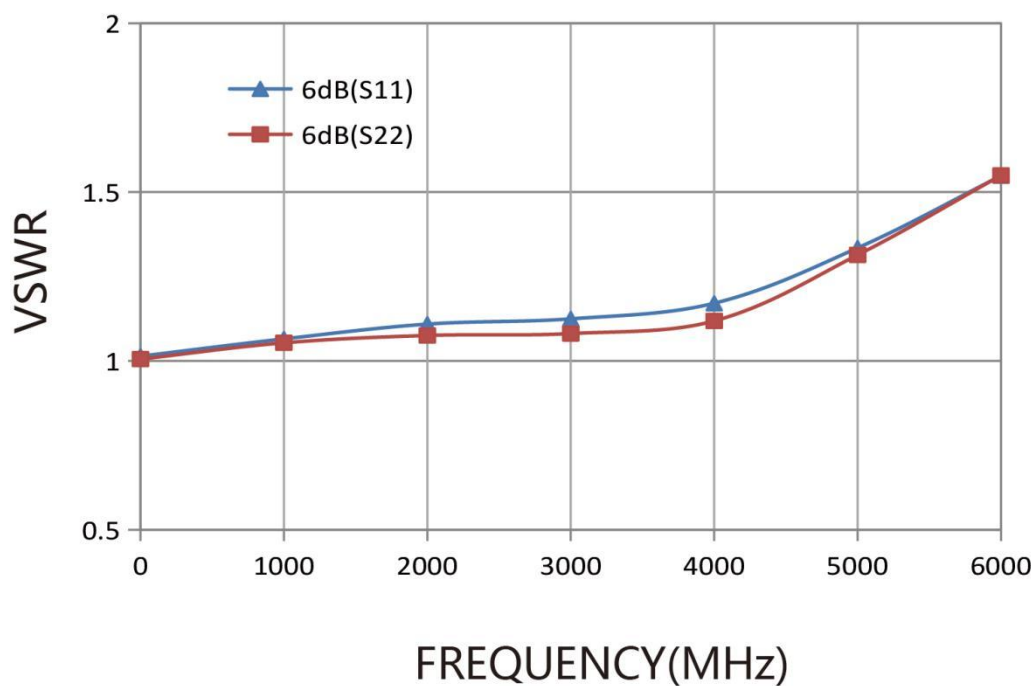
Electrical specifications at 25°C

Parameter	Condition (GHz)	Min.	Typ.	Max.	Units
Frequency Range		DC		6	GHz
Insertion Loss	0.01	7.1	7.4	7.7	dB
	1	-	6.55	-	
	2	-	4.9	-	
	3	3.1	3.36	3.7	
	4	-	2.2	-	
	5	-	1.52	-	
VSWR	6	0.75	1.15	1.45	:1
	0.01-1	-	1.06	-	
	1-2	-	1.1	-	
	2-3	-	1.15	-	
	3-4	-	1.17	-	
	4-5	-	1.33	-	
Input RF Power	5-6	-	1.55	-	dBm
	32				
Operating & Storage Condition					
Operation Temperature Range: -40℃ ~ +85℃					
Storage Temperature Range: -65℃ ~ +150℃					

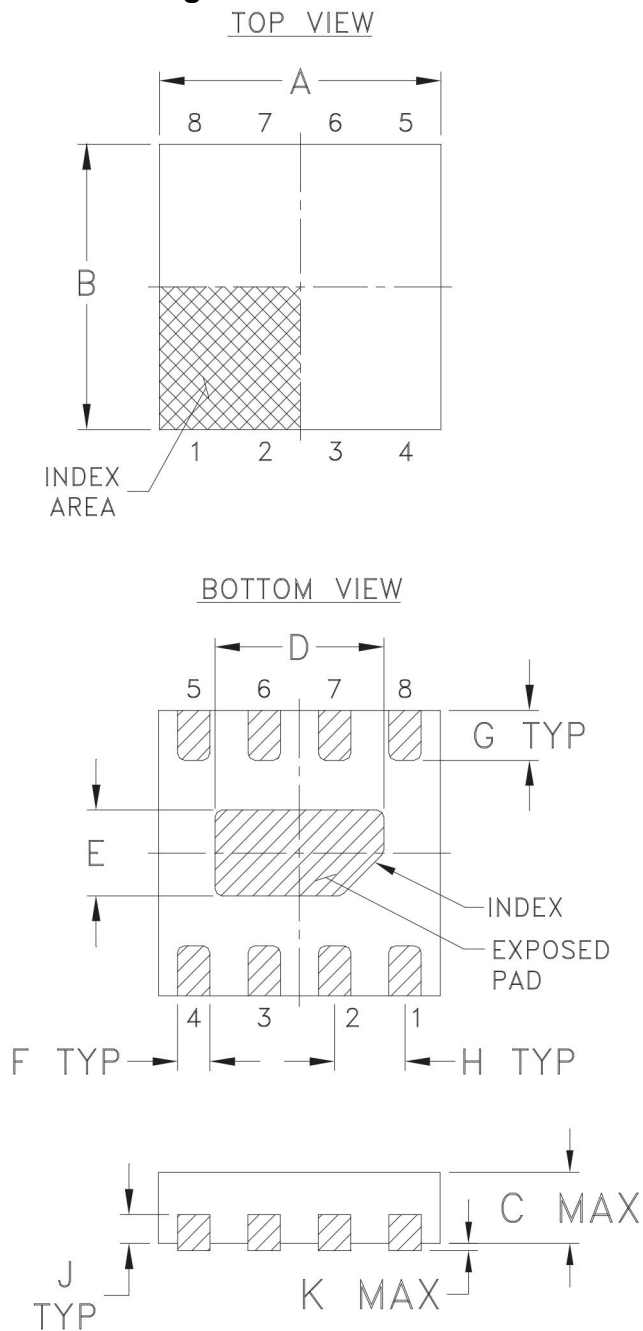
INSERTION LOSS



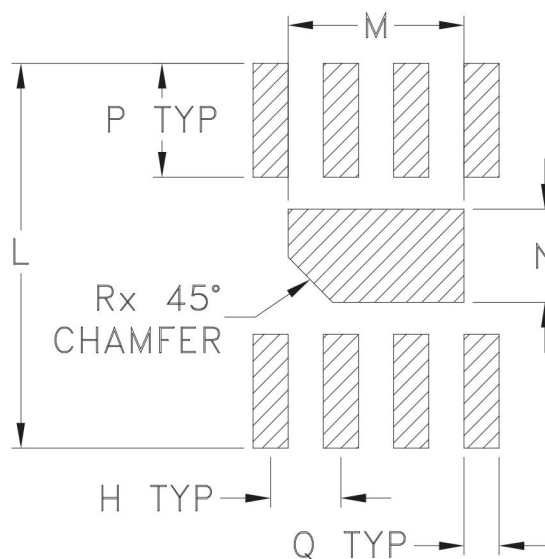
VSWR



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 (1.50)	.024 (.90)	.009 (.23)	.014 (.30)	.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)

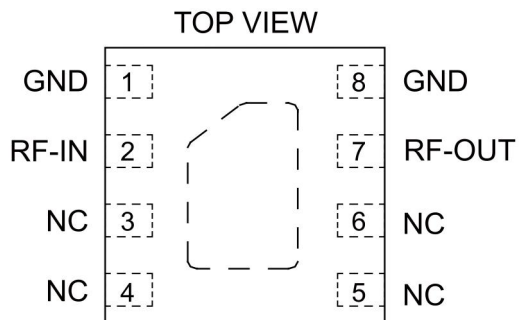
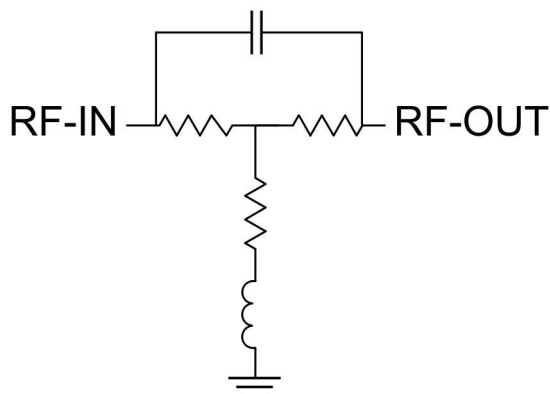
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For detailed performance specs & shopping online see Yantel web site : www.yantel-corp.com

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

