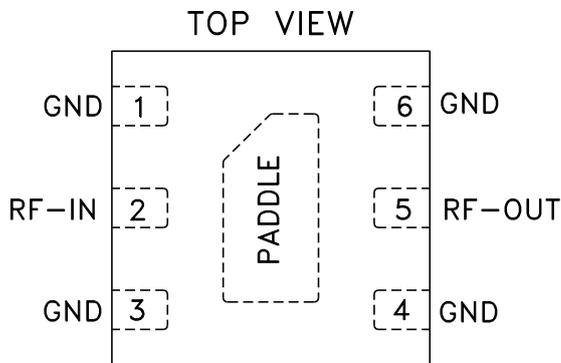
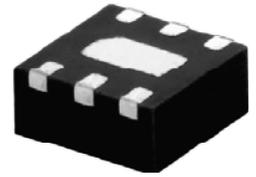


### Features

- 4.3dB 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

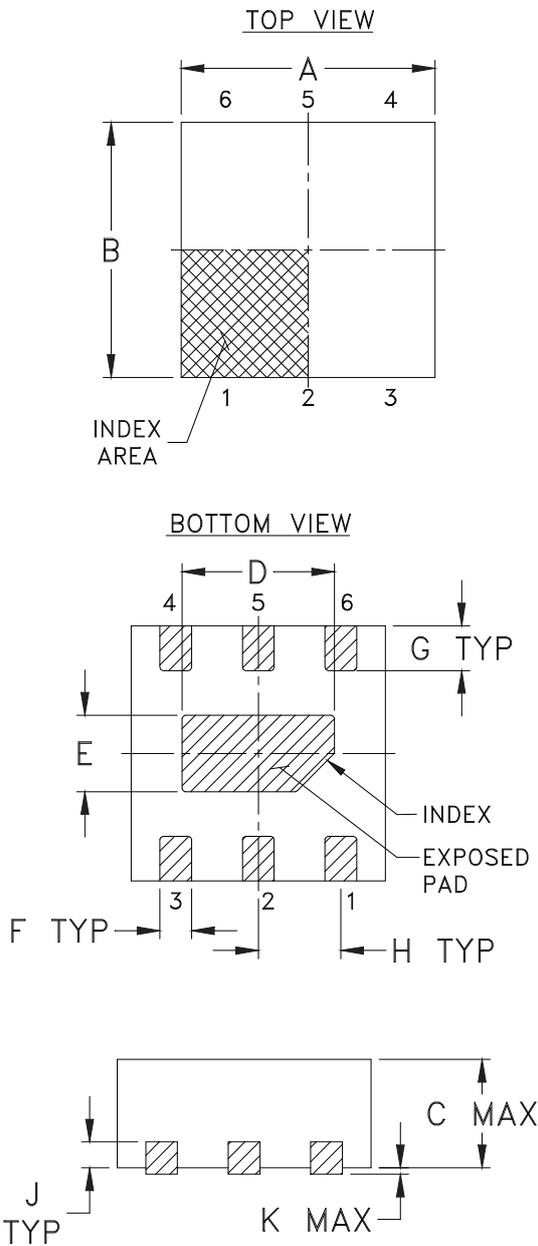
- Cellular Infrastructure
- 5G
- Wideband Communications
- Test Instrumentation
- Defense

### Electrical specifications at 25°C

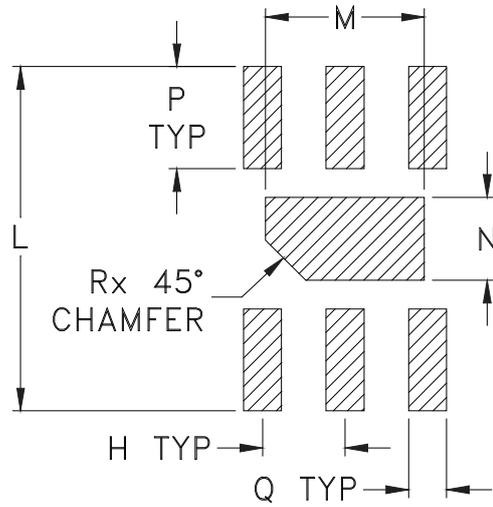
Parameter	Condition (GHz)	Min.	Typ.	Max.	Units
Frequency Range		DC		28	GHz
Insertion Loss	0.01	4.6	4.9	5.2	dB
	10	3.7	4.0	4.3	
	20	1.3	1.8	2.3	
	28	0.3	0.6	1.2	
	30	-	0.5	-	
VSWR)	0.01-10	-	1.14	-	:1
	10-20	-	1.11	-	
	20-28	-	1.18	-	
	28-30	-	1.21	-	
*Input RF Power		30			dBm
<b>Operating &amp; Storage Condition</b>					
Operation Temperature Range: -55°C ~ +105°C					
Storage Temperature Range: -65°C ~ +150°C					

\*Derates linearly to 26 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)

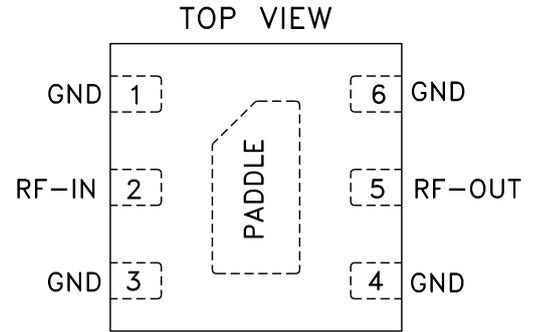
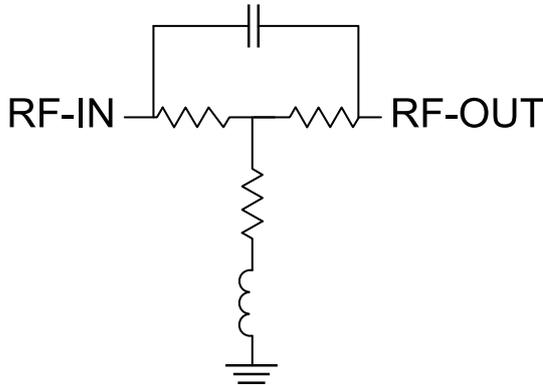
Tolerances=±.01 (±.25)

### Yantel Corporation

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For detailed performance specs & shopping online see Yantel web site : [www.yantel-corp.com](http://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

