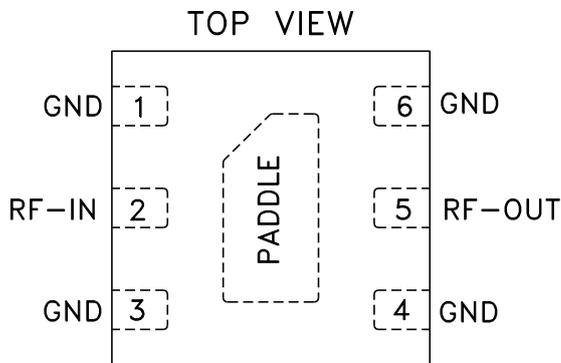
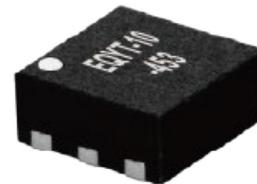
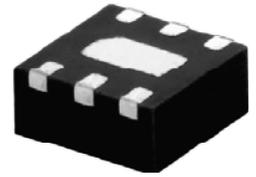


### Features

- 10.2 dB Slope
- Negative Insertion Loss Slope vs. Frequency
- Wideband operation, DC to 45 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		45	GHz
Insertion Loss	0.01	11.7	12.0	12.2	dB
	10	9.5	10.0	10.2	
	20	-	6.9	-	
	30	3.7	4.3	4.7	
	40	-	2.4	-	
VSWR)	0.01-10	-	1.17	-	:1
	10-20	-	1.20	-	
	20-30	-	1.27	-	
	30-40	-	1.28	-	
	40-45	-	1.44	-	
*Input RF Power		28			dBm
<b>Operating &amp; Storage Condition</b>					
Operation Temperature Range: -55°C ~ +105°C					
Storage Temperature Range: -65°C ~ +150°C					

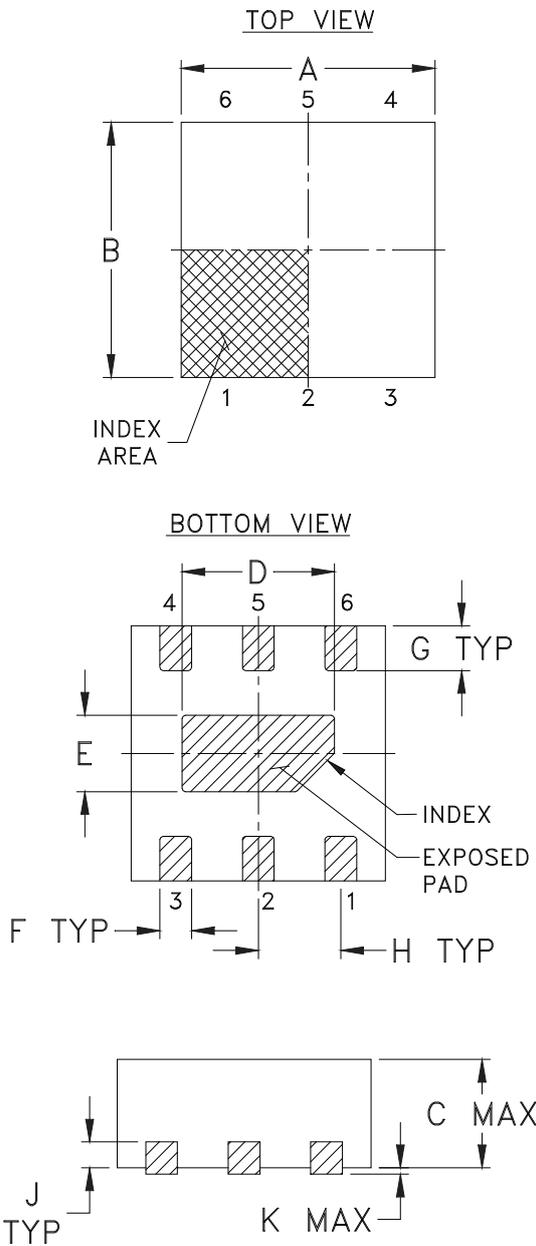
\*Derates linearly to +24 dBm at 105°C

### Yantel Corporation

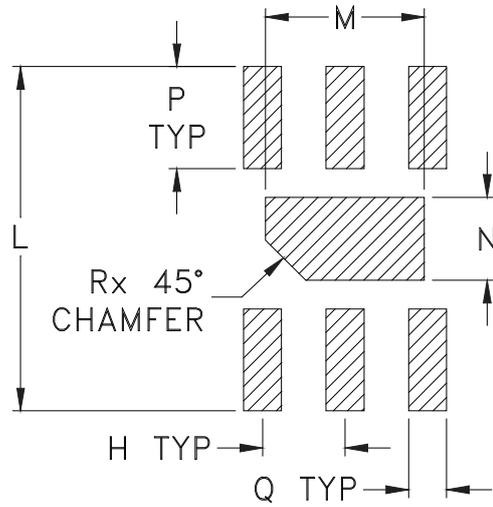
Add: No.308-322,3F,Building 1,Juchuang Jingu Innovation Park,Wenyuan Road 35,Xili Street,Nanshan,Shenzhen,China  
Tel: 86-755-8355-1886 Fax: 86-755-8355-2533

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

### 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)

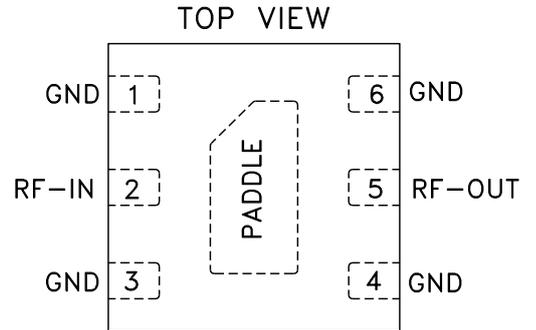
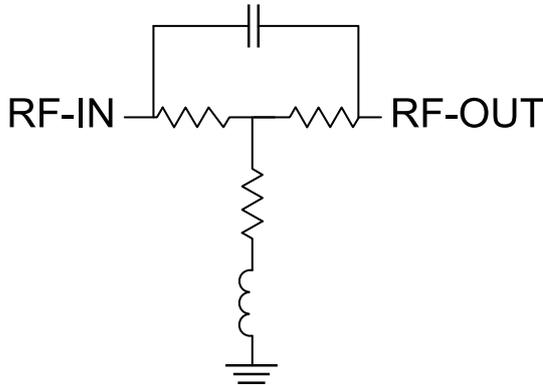
Tolerances=±.001 (±.25)

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### 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

