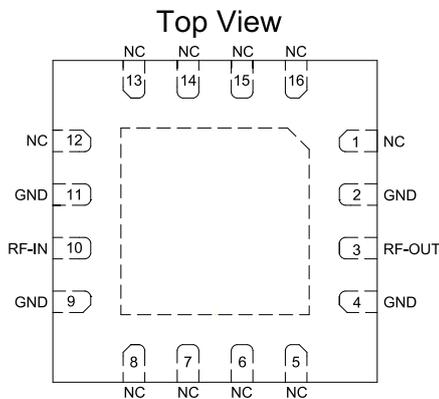
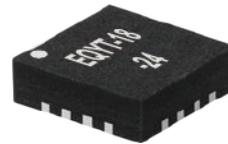
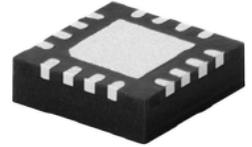


### Features

- 18 dB Slope
- Positive Insertion Loss Slope vs. Frequency
- Wideband operation, 6 to 18 GHz
- Excellent Power Handling Capability
- Small Size and simple to use (3 mm x 3 mm)
- Human Body Model (HBM): Class 1C (1000 to <2000V)
- Charged Device Model (CDM): Class 1B (500V to < 1000V)
- Moisture Sensitivity: MSL1



### Applications

- Test and Measurement
- EW, Radar, and ECM Defense Systems
- Back Haul Radio

### Electrical specifications at 25°C

Parameter	Condition (GHz)	Min.	Typ.	Max.	Units
Frequency Range		6		18	GHz
Insertion Loss	6	18.3	20.4	22.4	dB
	10	12.2	13.5	14.9	
	14	6	6.7	7.3	
	16	-	4.1	-	
	18	-	2.2	-	
VSWR)	6-10	-	1.11	-	:1
	10-14	-	1.13	-	
	14-16	-	1.17	-	
	16-18	-	1.35	-	
*Input RF Power		+33 dBm (5-minute max) +30 dBm (continuous)			dBm
<b>Operating &amp; Storage Condition</b>					
Operation Temperature Range: -55°C ~ +105°C					
Storage Temperature Range: -65°C ~ +150°C					

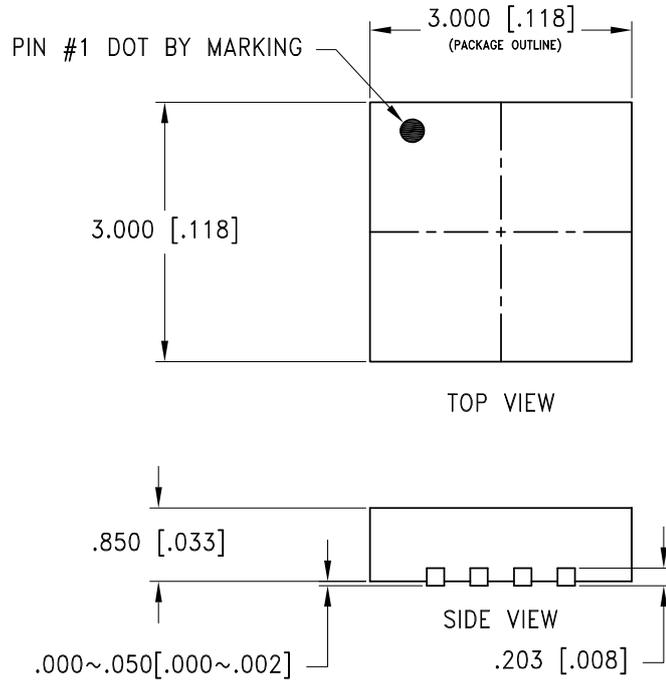
\*Derates linearly to 29 dBm at 105°C

### Yantel Corporation

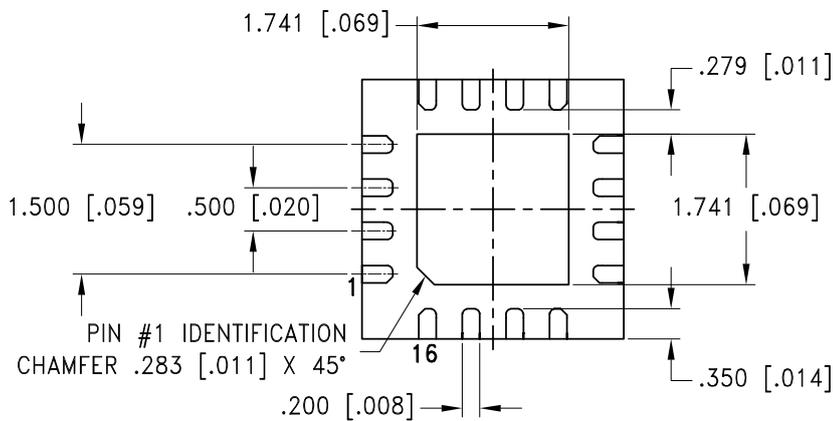
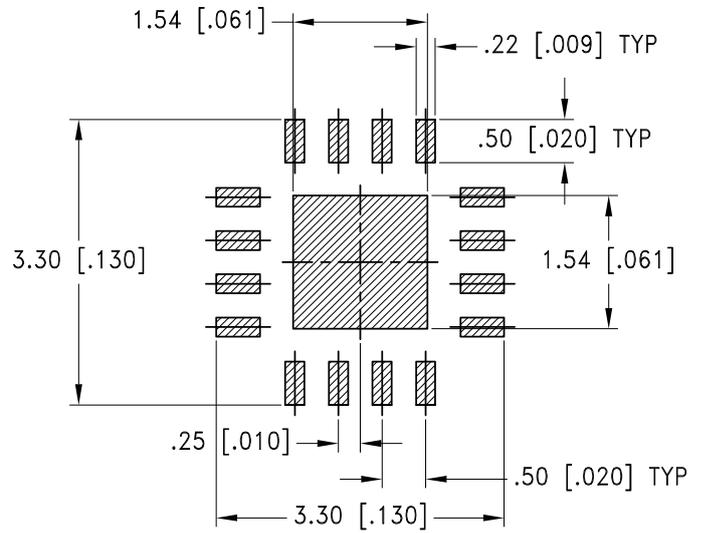
Add: No.308-322,3F,Building 1,Juchuang Jingu Innovation Park,Wenyuan Road 35,Xili Street,Nanshan,Shenzhen,China  
Tel: 86-755-8355-1886 Fax: 86-755-8355-2533

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

#### Outline Drawing (Units= mm [inches])

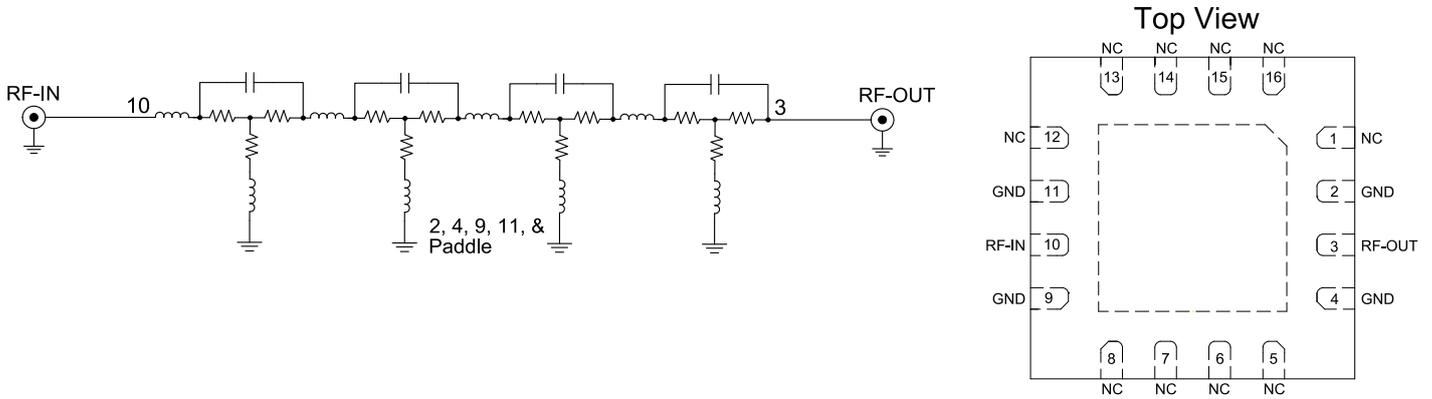


#### PCB Land Pattern



Tolerances= ±.05 [±.002]

### Simplified Schematic And Pad Description



Function	Pad Number	Description
RF-IN	10	RF-Input pad
RF-OUT	3	RF-Output pad
NC	1, 5, 6, 7, 8, 12, 13, 14, 15, & 16	Not used internally. Connected to ground on test board.
GND	2, 4, 9, 11, & Paddle	Connects to ground.

### Characterization & Application Circuit

