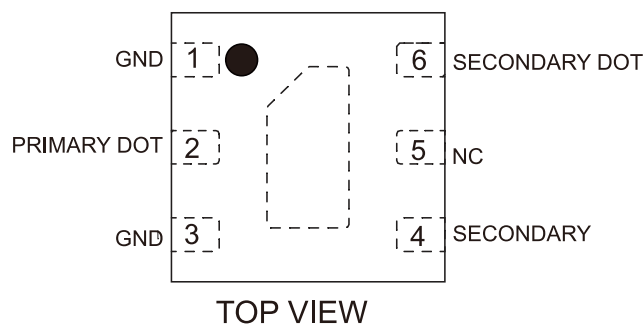
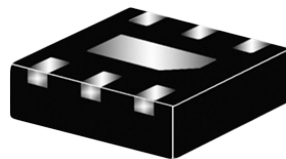


Features

- Wideband, 10 to 24 GHz
- Low insertion loss
- Low unbalance
- Tiny size, 2x2x1mm
- Human Body Model (HBM): Class 1A (Pass 250 V)



Applications

- Radar
- SATCOM
- Instrumentation

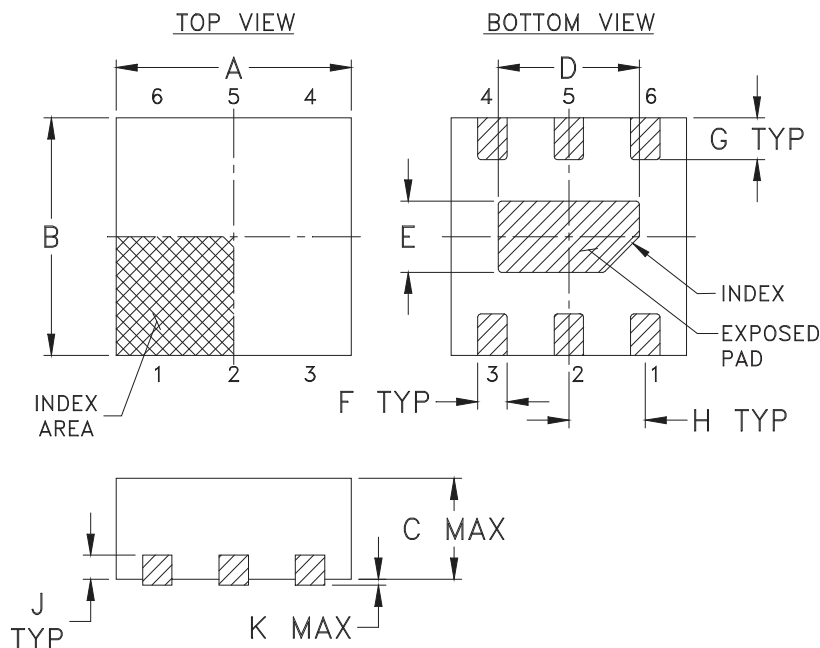
Electrical specifications at 25°C

Parameter	Frequency (GHz)	Min.	Typ.	Max.	Units
Impedance Ratio (secondary/primary)			2		
Frequency Range		10		24	GHz
Insertion Loss ¹	10-12	-	1.0	1.7	dB
	12-15	-	1.0	1.5	
	15-20	-	1.0	1.7	
	20-24	-	1.5	2.2	
Amplitude Unbalance	10-12		0.7		dB
	12-15		0.3		
	15-20		0.7		
	20-24		0.4		
Phase Unbalance ²	10-12		5.8		Degree
	12-15		6.4		
	15-20		5.5		
	20-24		2.9		
Input RF Power			31		dBm
Operating & Storage Condition					
Operation Temperature Range: -40°C ~ +85°C					
Storage Temperature Range: -65°C ~ +150°C					

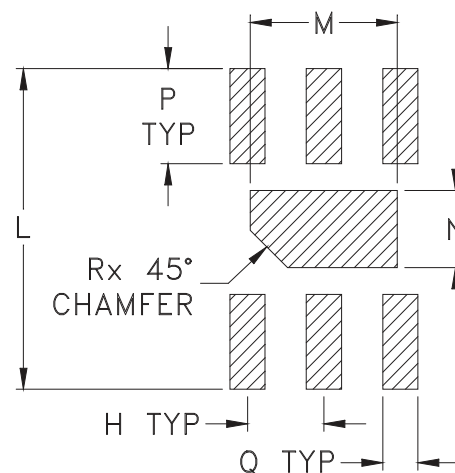
1. Above 3dB theoretical.

2. Relative to 180°

Outline Drawing



PCB Land Pattern

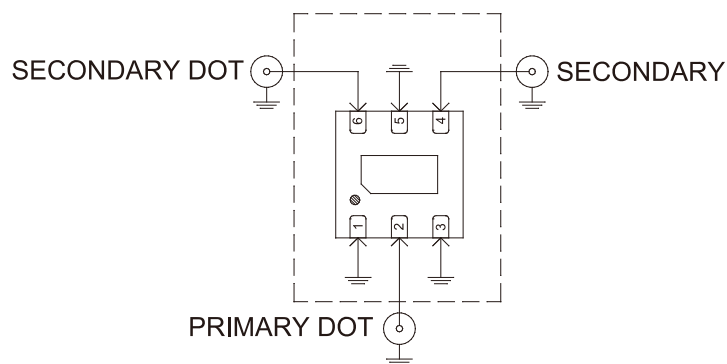
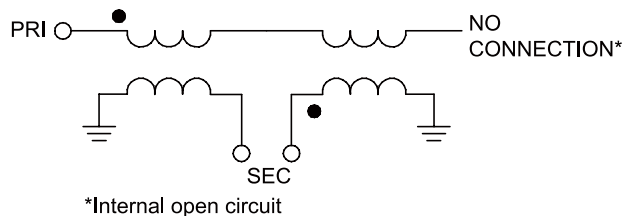


Suggested Layout,
Tolerance to be within $\pm .002$

A	B	C	D	E	F	G	H	J	K	L	M	N	P
.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)	.026 (.65)	.031 (.80)
Q	R	WT, GRAM											
.012 (.30)	.012 (.30)	.006											

Dimensions are in inches (mm). Tolerances: 2 Pl. $\pm .01$; 3 Pl. $\pm .005$

Configuration J



Function	Pad Number
PRIMARY DOT (Unbalanced Port)	2
SECONDARY DOT (Balanced)	6
SECONDARY (Balanced)	4
GND	1,3 & paddle
NC (grounded on TB)	5

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