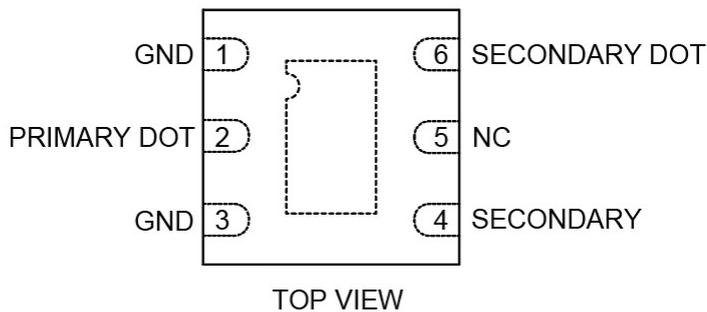
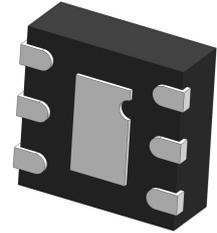


### Features

- Wideband, 9.2 to 16.6 GHz
- Low insertion loss
- Low unbalance
- Tiny size, 2x2x0.75mm
- Human Body Model (HBM): Class 1A (Pass 250 V)



### Applications

- Radar
- SATCOM
- Instrumentation

### Electrical specifications at 25°C

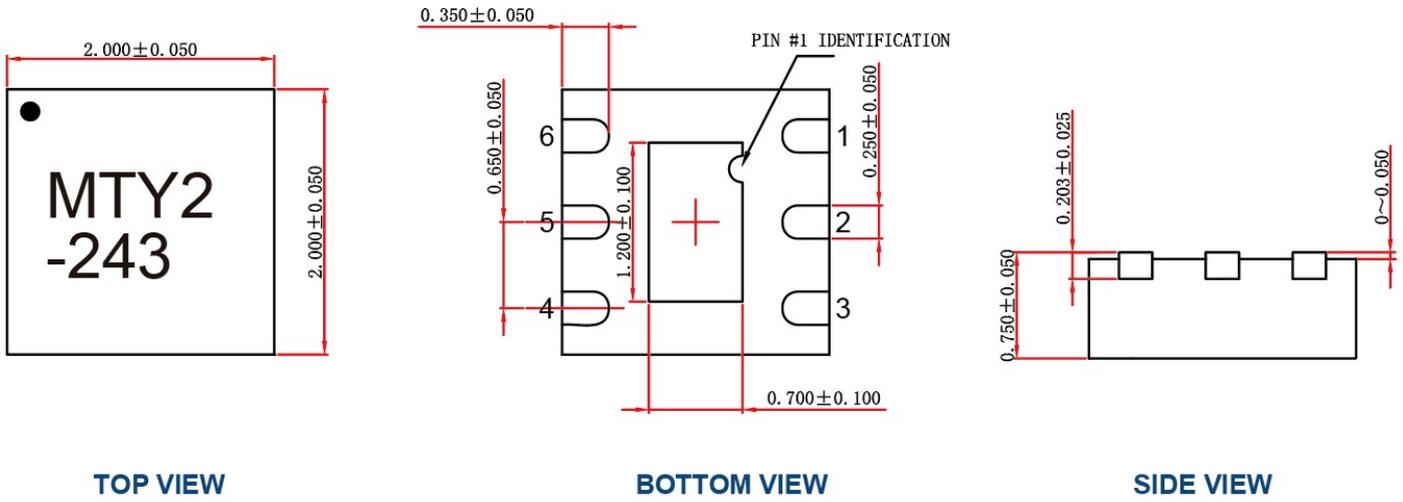
Parameter	Frequency (GHz)	Min.	Typ.	Max.	Units
Impedance Ratio (secondary/primary)			2		
Frequency Range		9.2		16.6	GHz
Insertion Loss <sup>1</sup>	9.2-12	-	1.0	-	dB
	12-15	-	1.0	-	
	15-16.6	-	1.0	-	
Amplitude Unbalance	9.2-12	-	0.7	-	dB
	12-15	-	0.3	-	
	15-16.6	-	0.7	-	
Phase Unbalance <sup>2</sup>	9.2-12	-	5.8	-	Degree
	12-15	-	6.4	-	
	15-16.6	-	5.5	-	
Input RF Power			31		dBm

#### Operating & Storage Condition

Operation Temperature Range: -40°C ~ +85°C  
 Storage Temperature Range: -65°C ~ +150°C

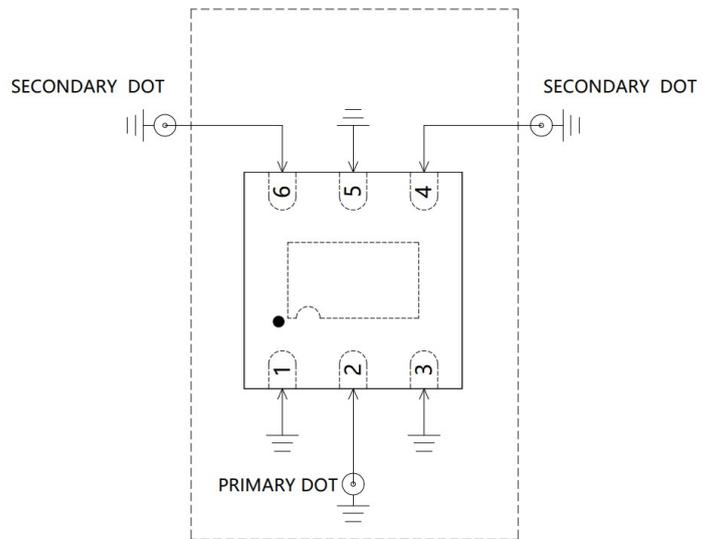
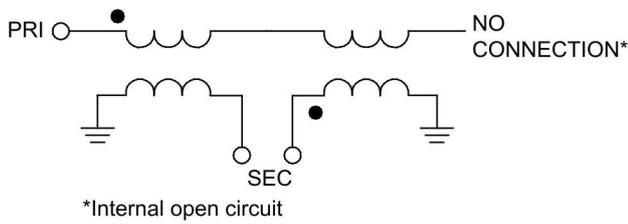
1. Above 3dB theoretical.
2. Relative to 180°

### Outline Drawing

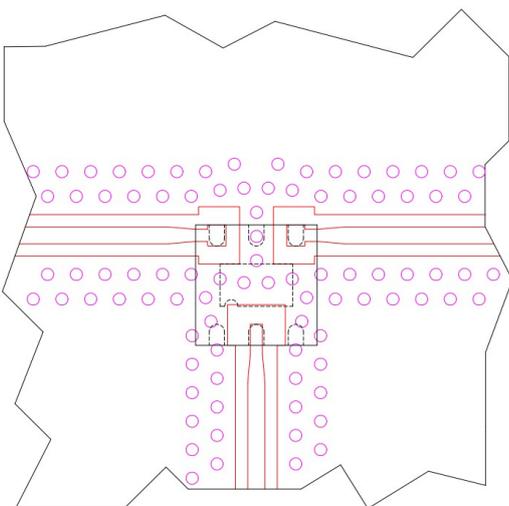


Dimensions are in mm

### Configuration J



### Land Pattern



Recommended Land Pattern Top View

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