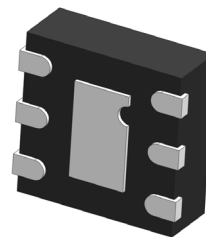
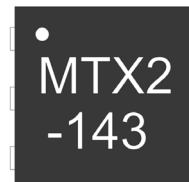
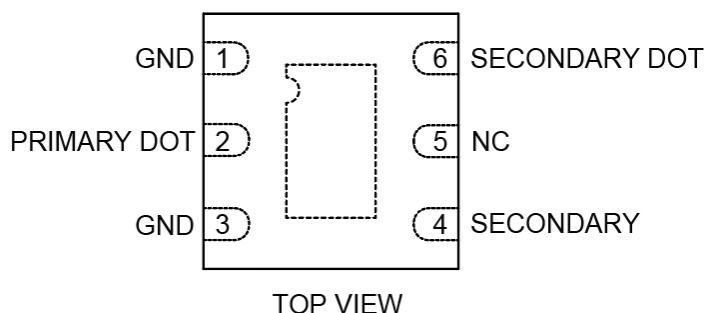


Features

- Wideband, 5500 to 12000 MHz
- Low insertion loss
- Low unbalance
- Tiny size, 2x2x0.75mm
- Human Body Model (HBM): Class 1B (500 to < 1000V)



Applications

- SATCOM
- WiMAX/WIBRO
- ISM
- Radar

Electrical specifications at 25°C

Parameter	Frequency (MHz)	Min.	Typ.	Max.	Units
Impedance Ratio (secondary/primary)			2		
Frequency Range		5500	-	12000	MHz
Insertion Loss ¹	5500 – 8000	-	0.9	1.1	dB
	8000 - 12000	-	1.3	1.85	
Return Loss	5500 – 8000	15	17	-	dB
	8000 - 12000	10	11	-	
Amplitude Unbalance	5500 – 8000	-	0.8	1.0	dB
	8000 - 12000	-	0.4	0.5	
Phase Unbalance ²	5500 – 8000	-	7	8	Degree
	8000 - 12000	-	5	6	
Input RF Power			34		dBm
Operating & Storage Condition					
Operation Temperature Range: -40°C ~ +85°C					
Storage Temperature Range: -65°C ~ +150°C					

1. Insertion loss is referenced to mid-band loss, 1.5 dB.

2. Relative to 180°

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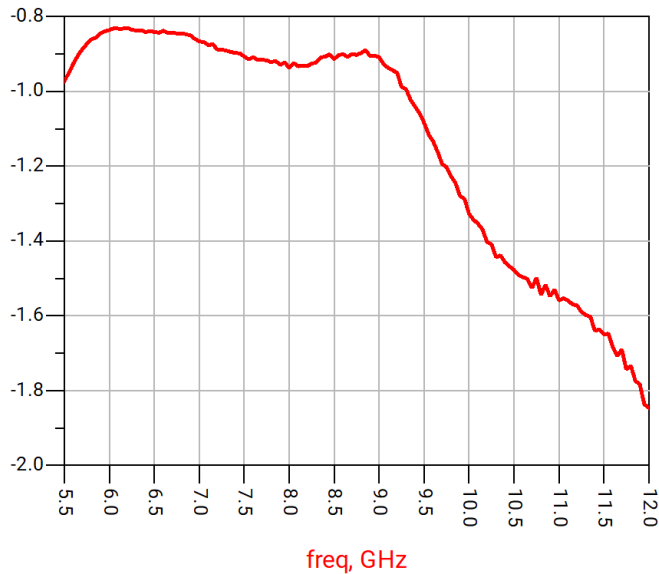
Add: No.308-322,3F,Building 1,Juchuang Jingu Innovation Park,Wenyuan Road 35,Xili Street,Nanshan,Shenzhen,China

Tel: 86-755-8355-1886 Fax: 86-755-8355-2533

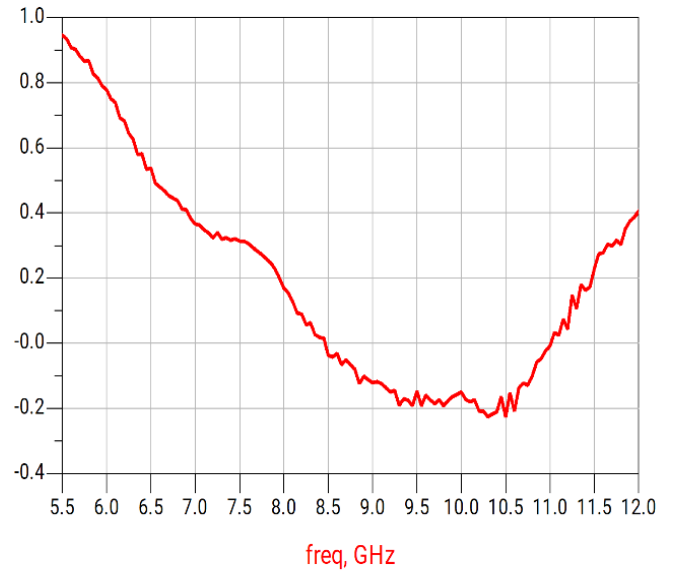
For detailed performance specs & shopping online see Yantel web site : www.yantel-corp.com

Typical Electrical Characteristics at 25°C

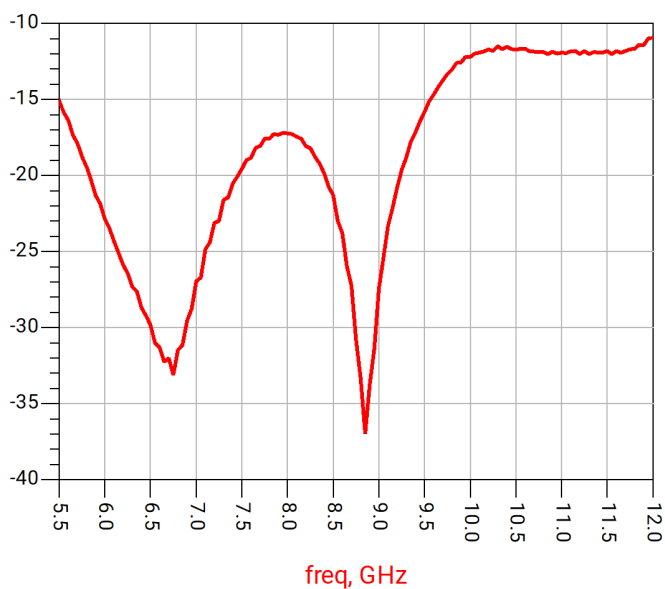
Insertion Loss



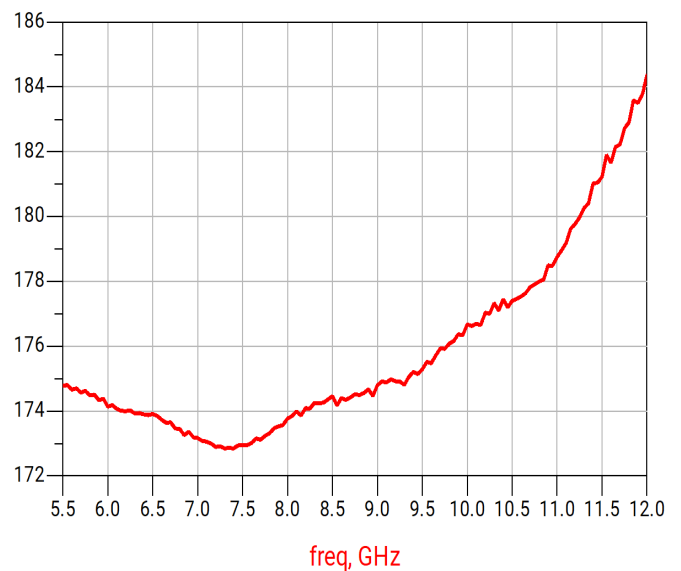
Amplitude Unbalance



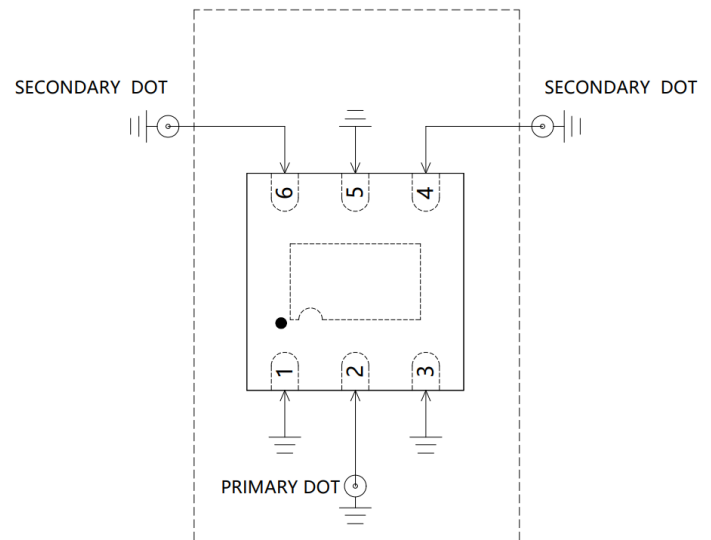
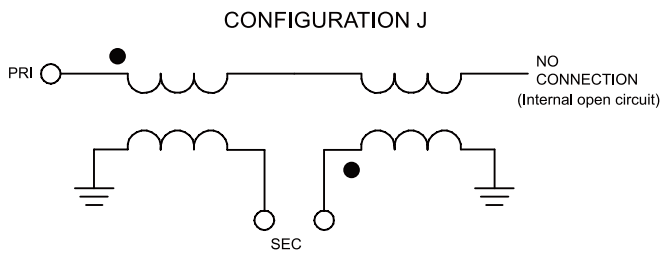
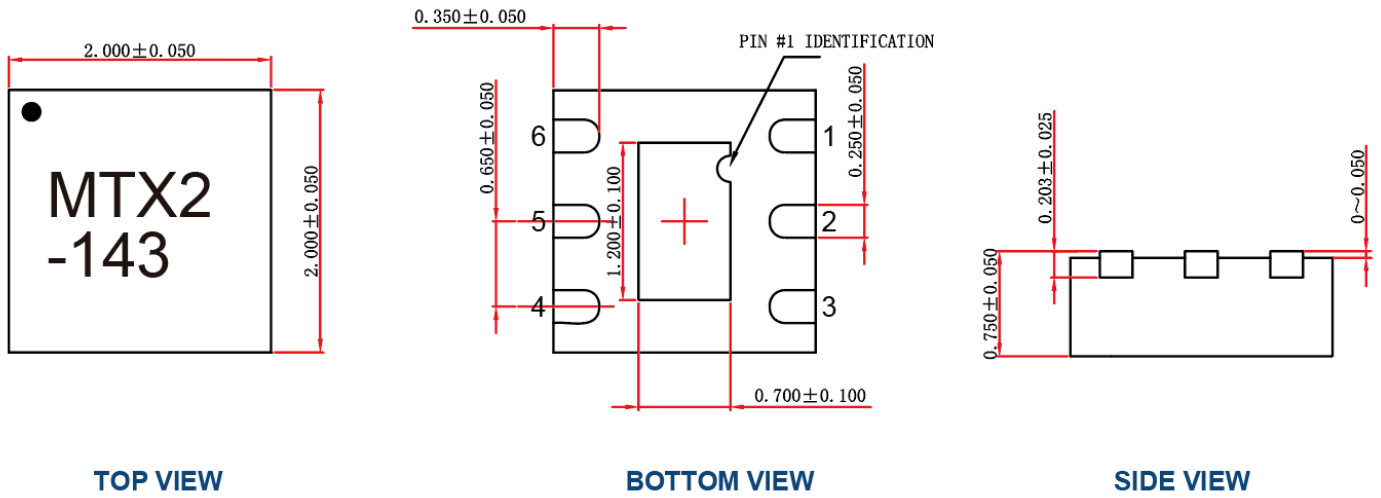
Return Loss



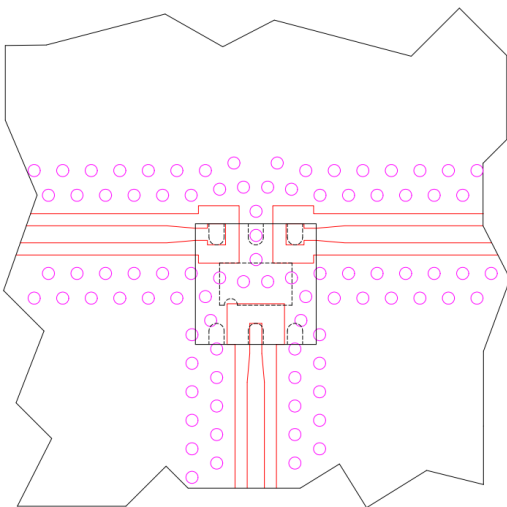
Phase Unbalance



Outline Drawing



PCB 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

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