

Features

- Multilayer monolithic construction yields high reliability
- Low insertion loss and small size SMD chip design
- Can simplify your complex tuning and circuit design
- LTCC process

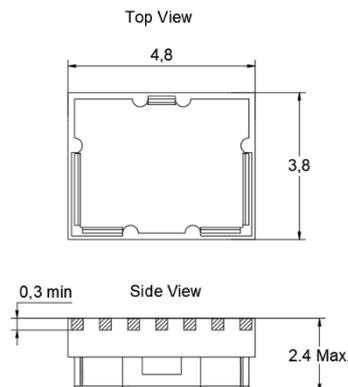
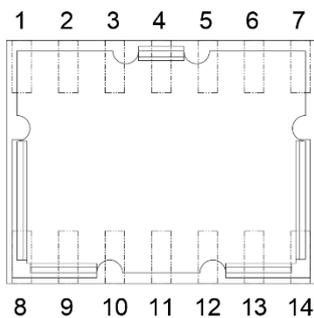
Specifications

NO.	Items	Spec	Typ.	Unit
1	Frequency range	300~960	300~960	MHz
2	Insertion Loss, above 6.0 dB	1.6 max.	1.3	dB
3	Isolation.	8 min.	9.5	dB
4	Phase Unbalance	5 max.		°
5	Amplitude Unbalance	0.8 max.		dB
6	Return Loss (Input)	9 min.	11.5	dB
7	Return Loss (Output)	10 min.	12.5	dB

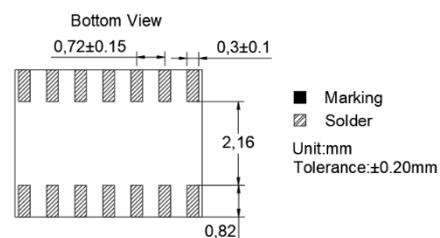
Operating & Storage Condition (Component)
 Operation Temperature Range: -40°C ~ +85°C
 Storage Temperature Range: -40°C ~ +85°C

Storage Condition before Soldering (Included packaging material)
 Storage Temperature Range: +5 ~ +40 °C
 Humidity: 30 to 70% relative humidity

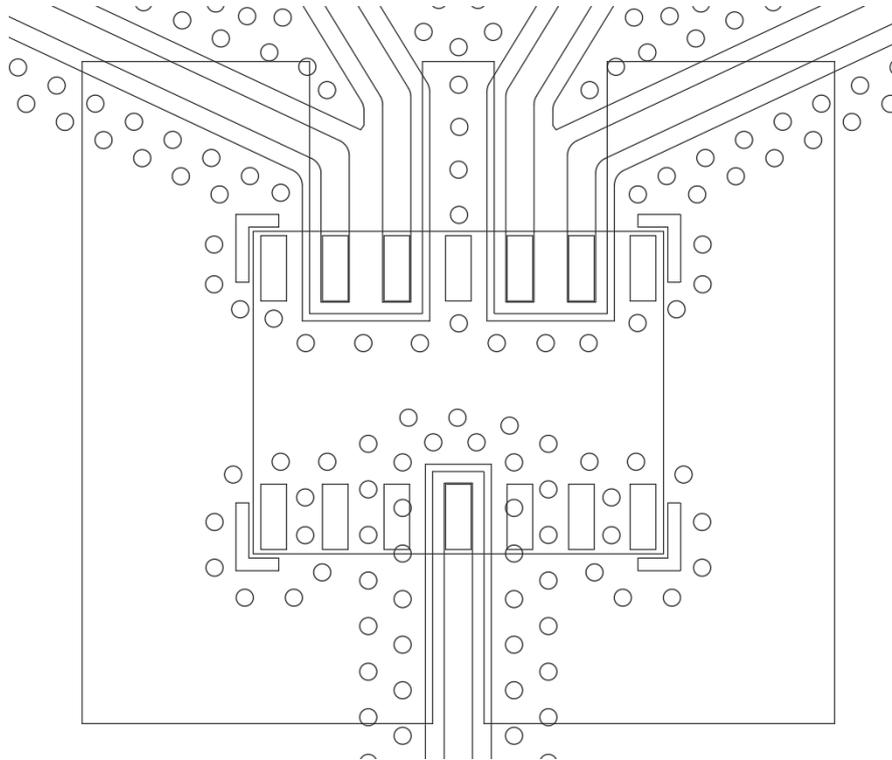
Construction & Dimensions



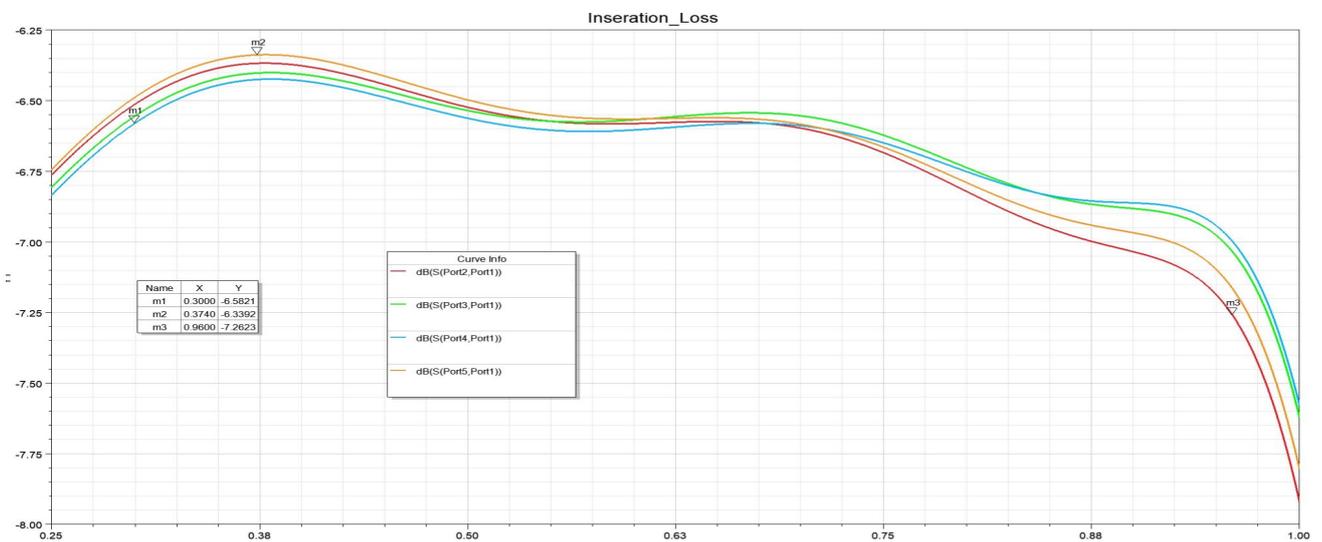
SUM PORT	11
PORT 1	2
PORT 2	3
PORT 3	5
PORT 4	6
GND	1、 4、 7、 8、 9、 10、 12、 13、 14

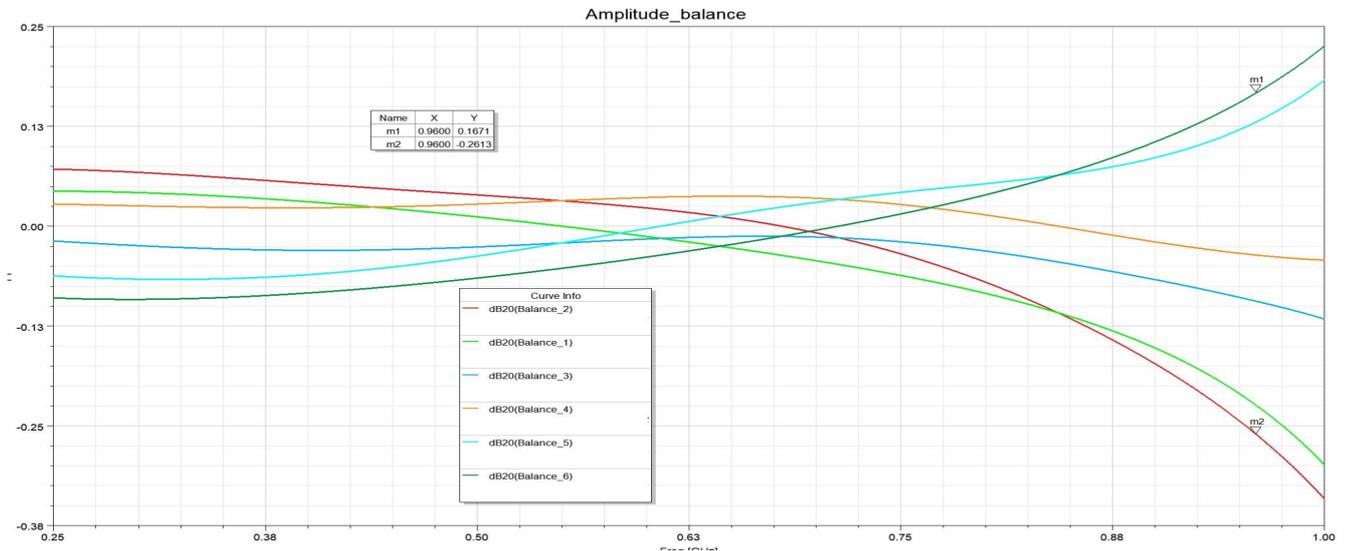
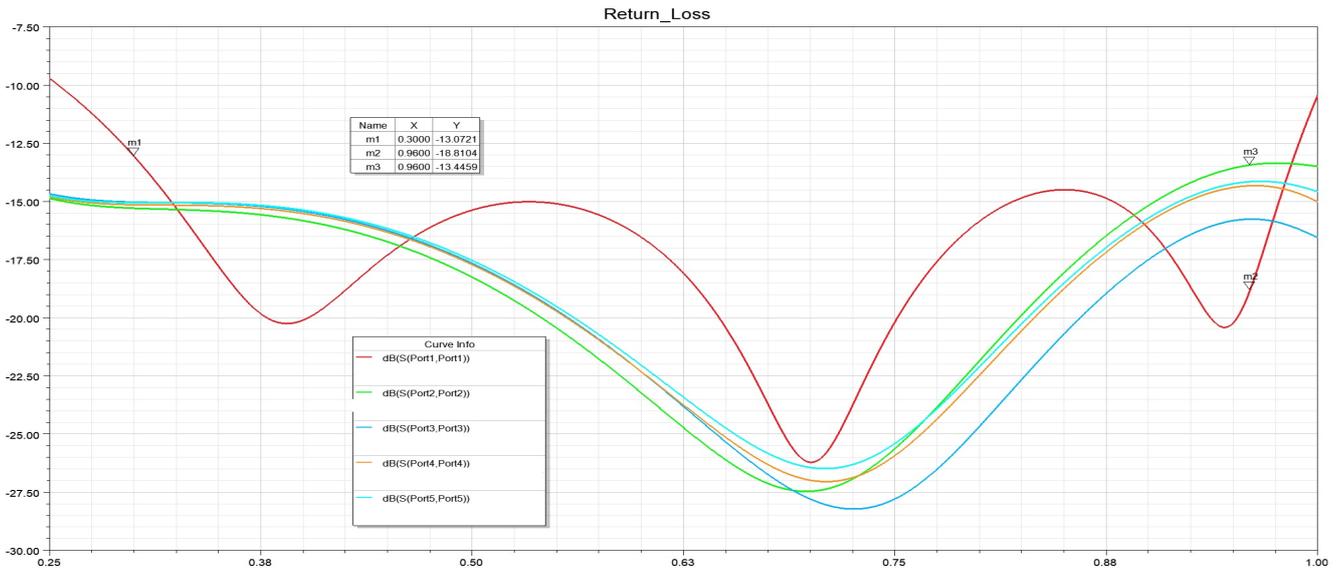


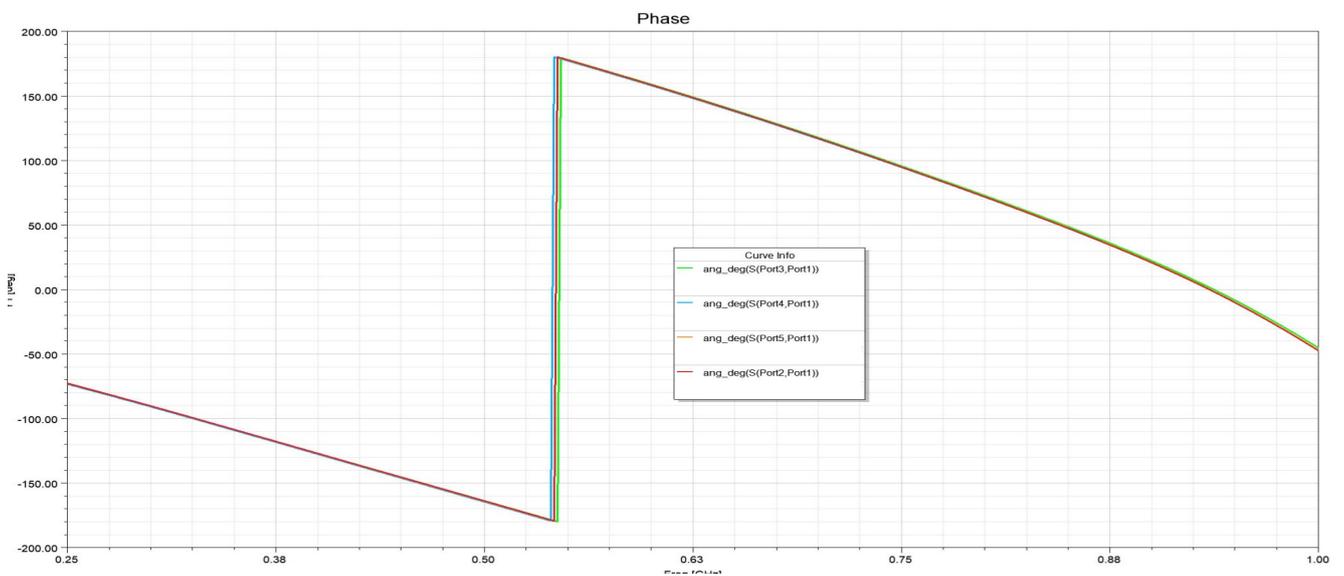
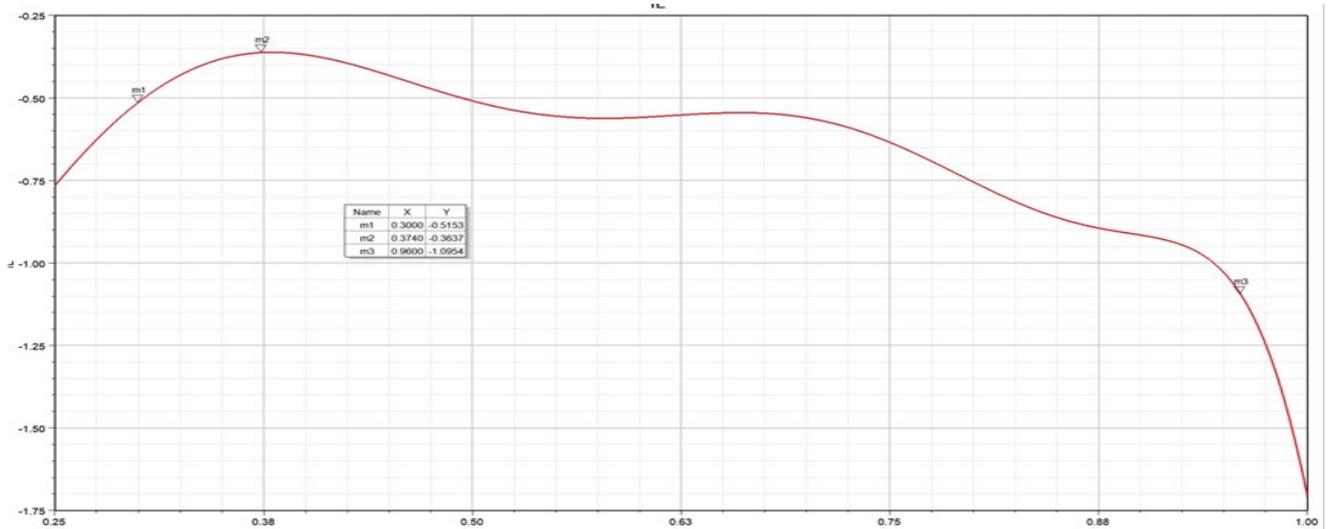
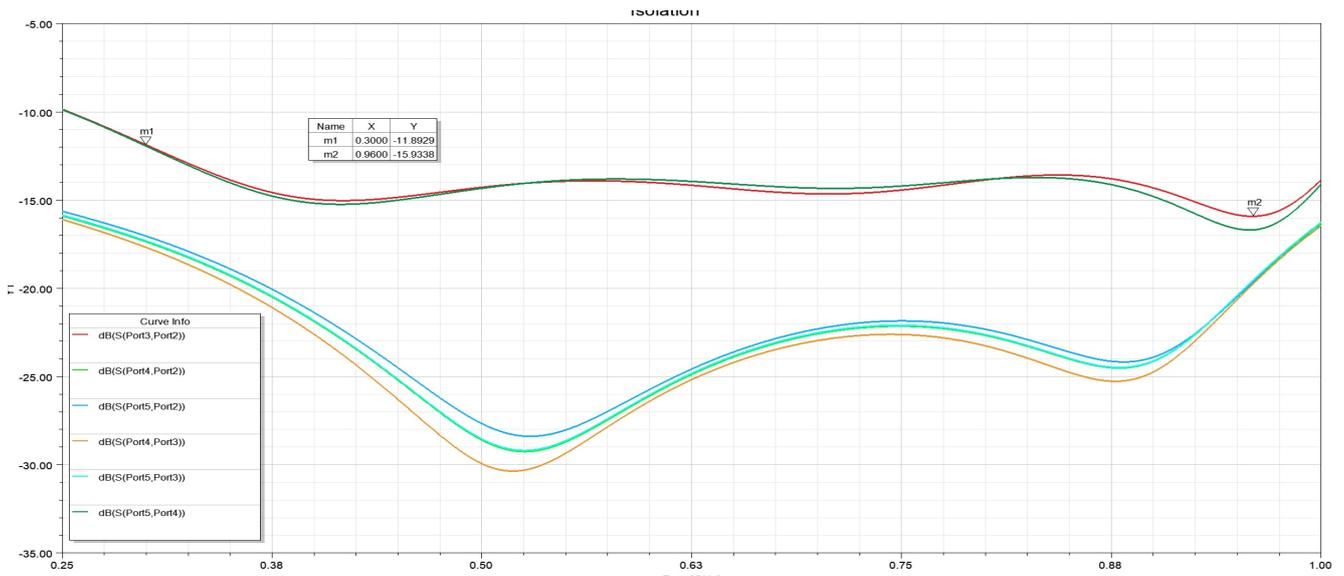
Mounting Considerations



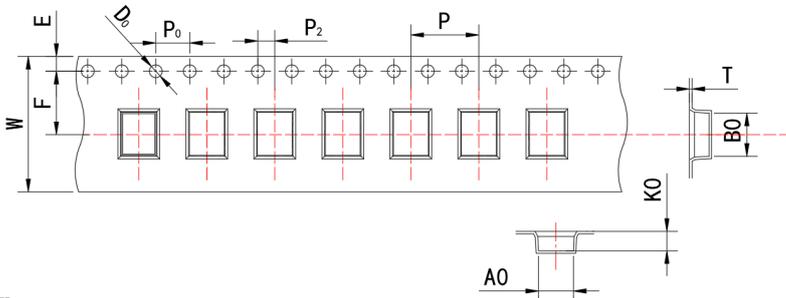
Typical Electrical Characteristics (T=25°C)







PACKAGING

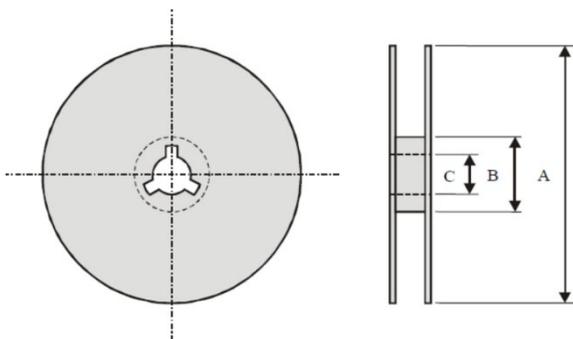

NOTE:

- 1、10 sprocket hole pitch cumulative tolerance is $\pm 0.20\text{mm}$.
- 2、1mm maximum camber in 100mm long for carrier.
- 3、 K_0 be mesured from the top carrier surface to the bottom surface inside the tape-pocket.
- 4、All dimension scopes are in term of EIA-481-C STANDARD.
- 5、Material: Transparent Anti-static Polystyrence.

Plastic Tape specifications (unit: mm)

Index	A0	B0	$\varnothing D$	T	W	E	F	P	P0	P2
Dimension (mm)	4.1 ± 0.1	5.1 ± 0.1	$1.50^{+0.1/0}$	0.3 ± 0.05	16.0 ± 0.3	1.75 ± 0.1	7.50 ± 0.1	8.0 ± 0.1	4.0 ± 0.1	2.00 ± 0.1
Index	K0									
Dimension (mm)	2.30 ± 0.1									

Reel dimensions



Index	A	B	C
Dimension (mm)	$\varnothing 178.0$	$\varnothing 60.0$	$\varnothing 13.2$

Taping Quantity: 1000 pieces per 7" reel