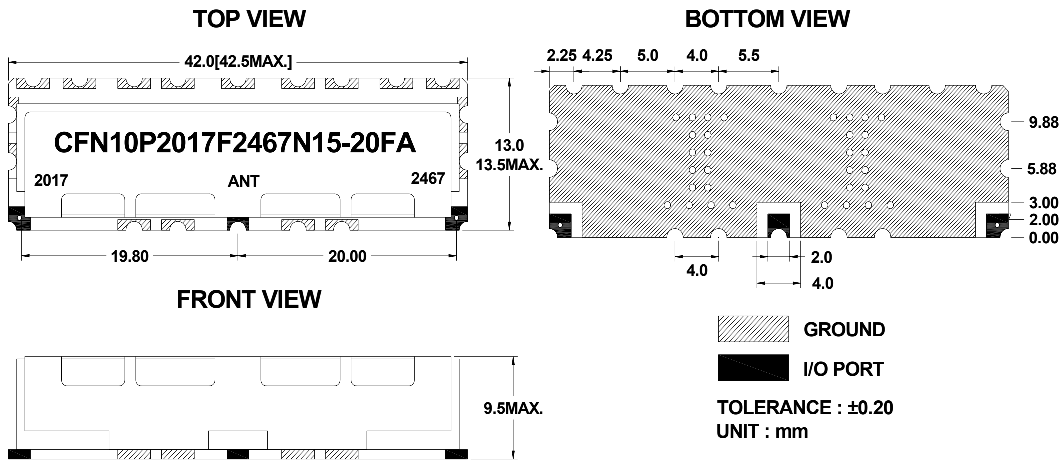
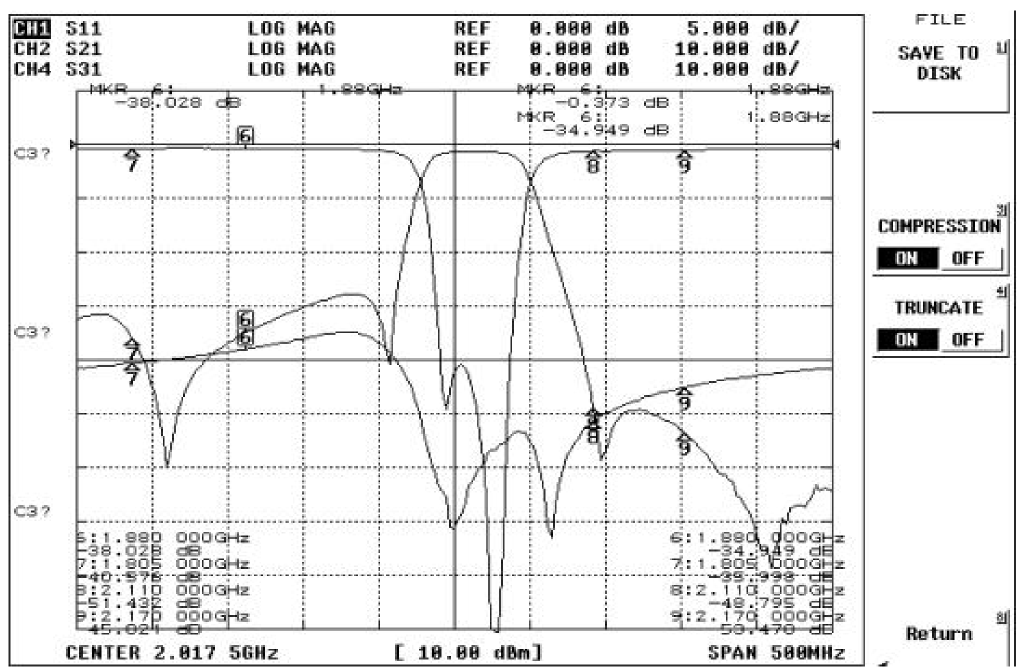
Electrical Specification

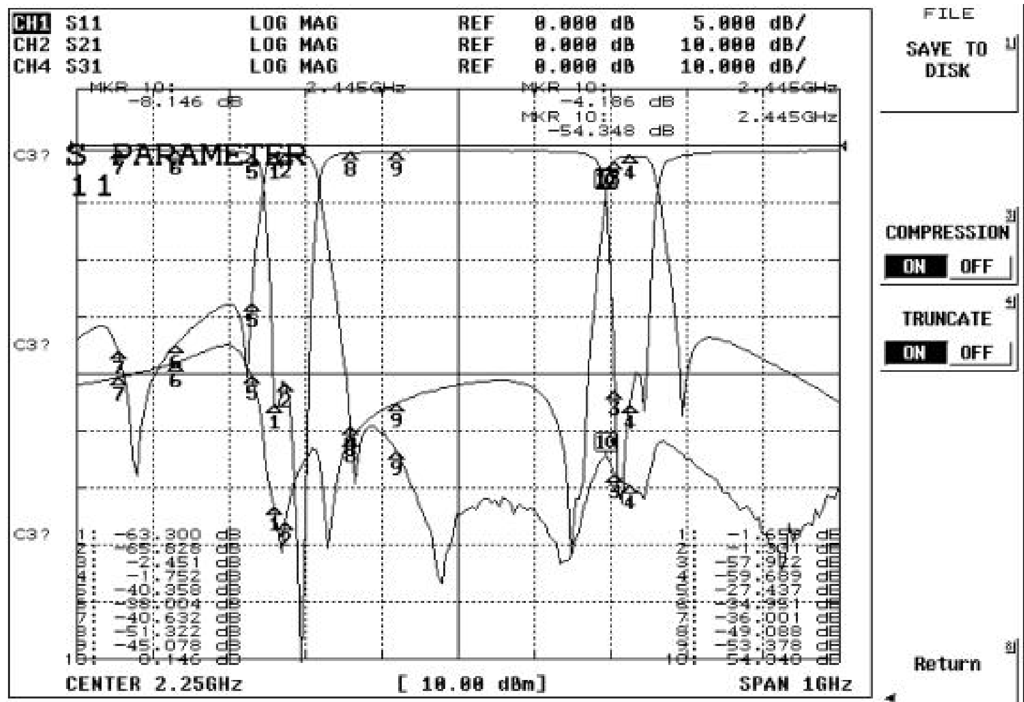
ITEMS	ANT >> Low	ANT >> High	UNIT
Center Frequency [fo]	2017.5	2467.0	MHz
Bandwidth [BW]	fo ±7.5 [2010.0~2025.0]	fo ±10 [2457.0~2477.0]	MHz
Insertion Loss in BW	2.5	2.8	dB max
Ripple in BW	1.0	1.0	dB max
Return Loss in BW			dB min
Attenuation ☑ Absolute Value ☐ Relative Value	55.0 dBmin. @ [2457~2477]	60.0 dBmin. [2010~2025]	MHz
	45 dBmin. @ [2110 ~2170]	8.0 dBmin. [2400~2445]	MHz
	25 dBmin. @ [1920 ~1980]	42 dBmin.@ [2110~2170]	MHz
	34 dBmin. @ [1805 ~1880]	32dBmin.@ [1920 ~1980]	MHz
	dBmin. @ [~]	35dBmin.@ [1805 ~1880]	
Group Delay Variation			ns max
Input Power	3.0		W max.
In/Out Impedance	50 Ω		
Operation Temperature Range	-40℃ to +85℃		

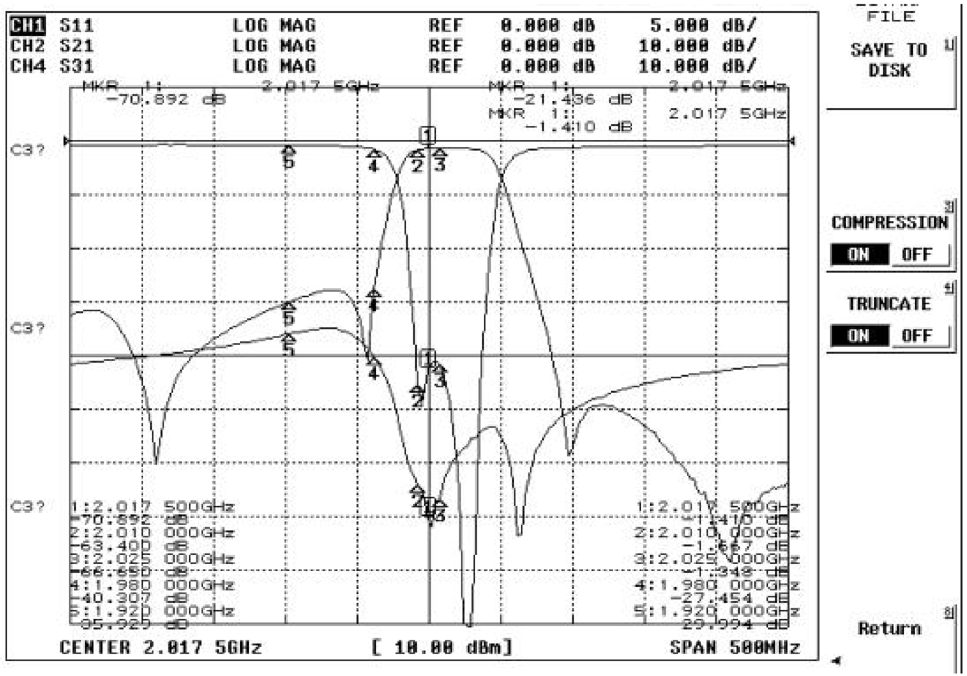
Mechanical Specification

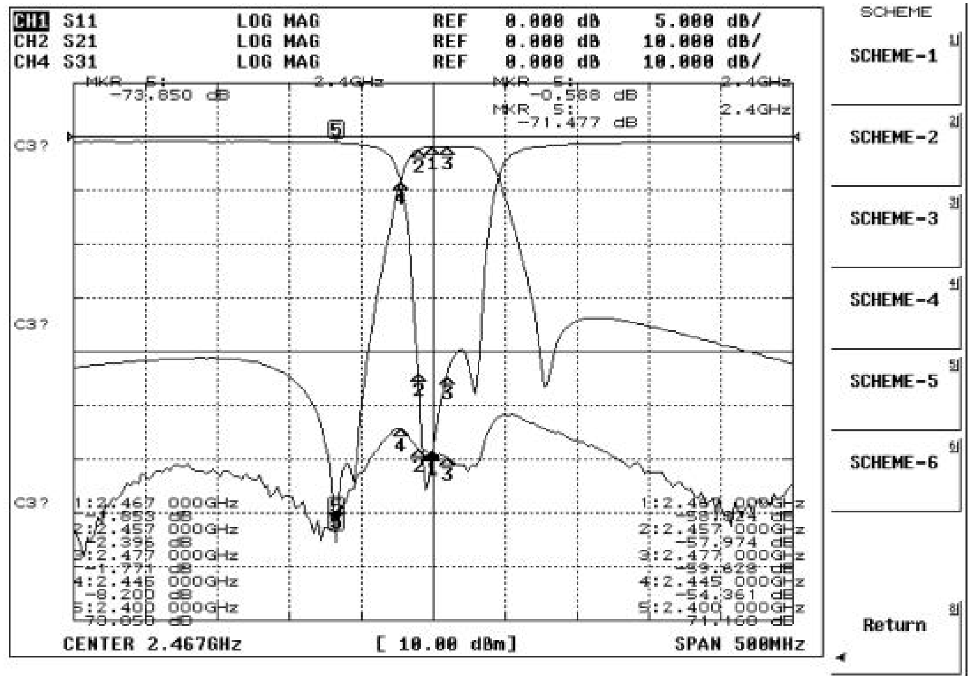


Plot Data

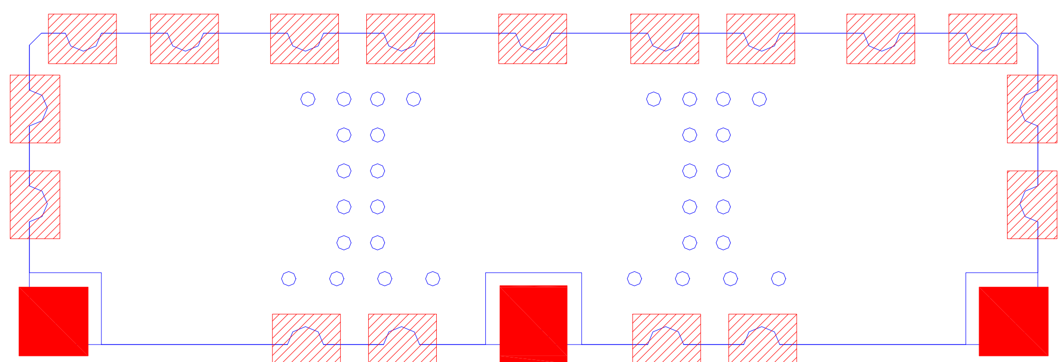




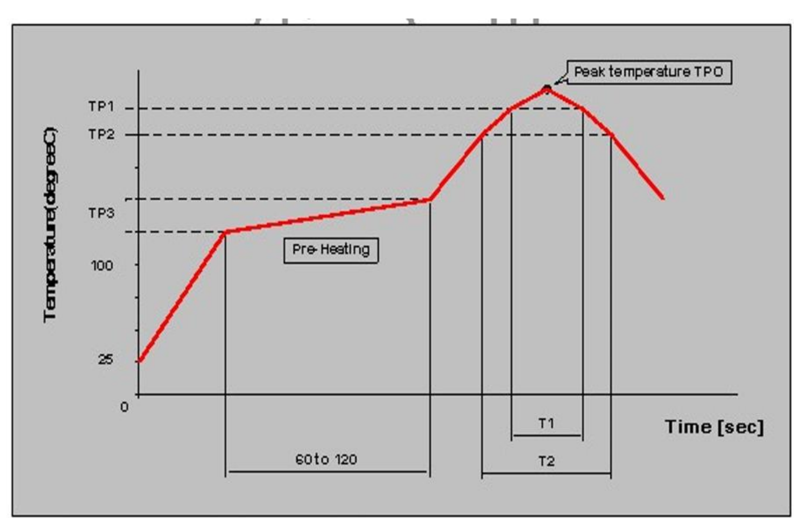

CH1 S11 LOG MAG REF 0.000 dB 5.000 dB/
CH2 S21 LOG MAG REF 0.000 dB 10.000 dB/
CH4 S31 LOG MAG REF 0.000 dB 10.000 dB/
MKR 1: -70.892 dB 2.017 5GHz
MKR 1: -21.436 dB 2.017 5GHz
MKR 1: -1.410 dB 2.017 5GHz
1:2.017 500GHz
2:2.010 000GHz
-63.400 dB
3:2.025 000GHz
4:1.980 000GHz
-40.307 dB
5:1.920 000GHz
1:2.017 500GHz
2:2.010 000GHz
3:2.025 000GHz
4:1.980 000GHz
-27.454 dB
5:1.920 000GHz
CENTER 2.017 5GHz
[10.00 dBm]
SPAN 500MHz
FILE
SAVE TO DISK
COMPRESSION
ON OFF
TRUNCATE
ON OFF
Return


CH1 S11 LOG MAG REF 0.000 dB 5.000 dB/
CH2 S21 LOG MAG REF 0.000 dB 10.000 dB/
CH4 S31 LOG MAG REF 0.000 dB 10.000 dB/
MKR 5: -73.850 dB 2.4GHz
MKR 5: -0.588 dB 2.4GHz
MKR 5: -71.477 dB
1:2.467 000GHz
2:2.457 000GHz
-2.396 dB
3:2.477 000GHz
4:2.445 000GHz
-8.200 dB
5:2.400 000GHz
2:2.457 000GHz
-57.974 dB
3:2.477 000GHz
4:2.445 000GHz
-54.361 dB
5:2.400 000GHz
CENTER 2.467GHz
[10.00 dBm]
SPAN 500MHz
SCHEME
SCHEME-1
SCHEME-2
SCHEME-3
SCHEME-4
SCHEME-5
SCHEME-6
Return

Recommanded PC Board Pattern



Soldering Condition



Measuring point of temperature : IN-OUT Terminals of The Device

Reflow Soldering : Both Convection and Infrared Rays, Hot Air and Hot Plate

Reflow standard condition	TPO (℃)	TP1 (℃)	T1 (s)	TP2 (℃)	T2 (s)	TP3 (℃)
Sn-3Ag-0.5 solder	245+/-5	220	30 to 60	___	___	150 to 180
Test condition of reflow heat resistance	260+5/-0	240	20	220	70	150 to 180