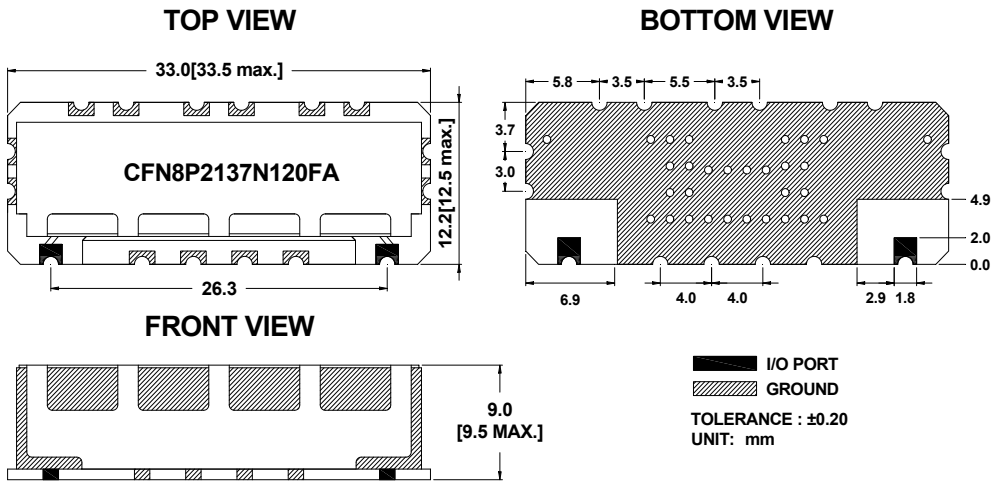
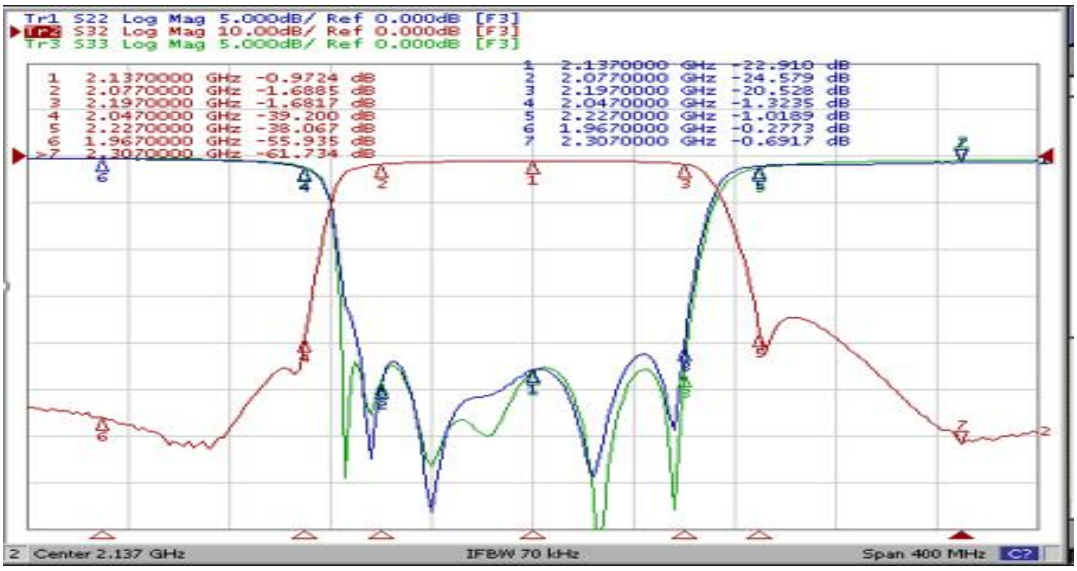
Electrical Specification

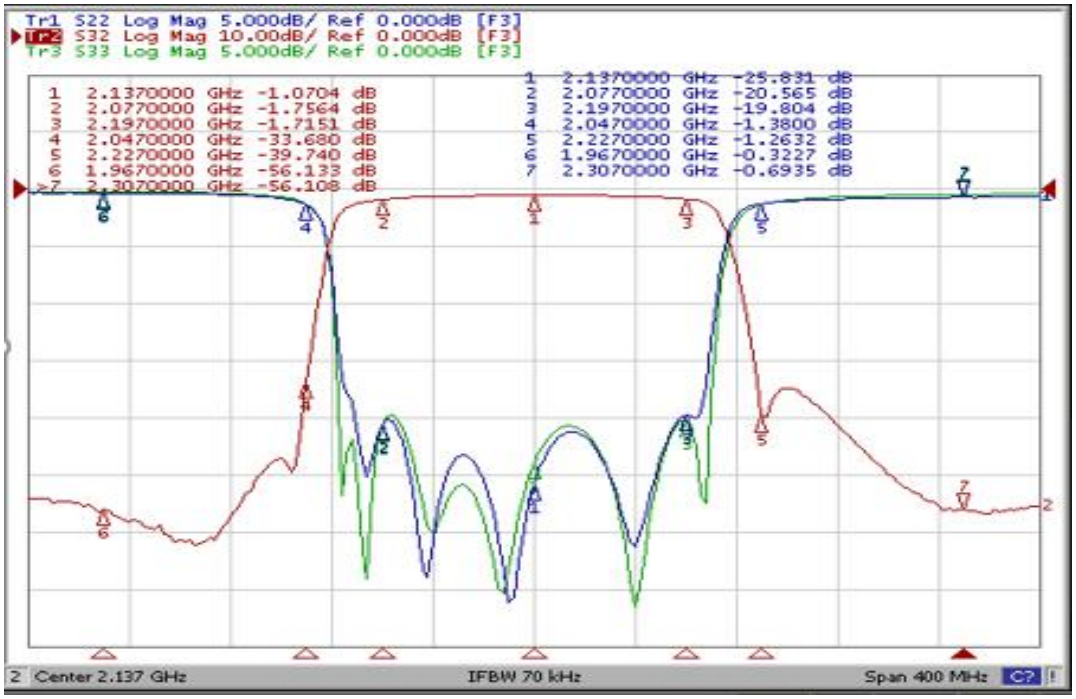
ITEMS	SPEC	UNIT
Center Frequency [fo]	2137	MHz
Bandwidth [BW]	fo ±60 [2077~2197]	MHz
Insertion Loss in BW	3.0	dB max
Ripple in BW	1.0	dB max
Return Loss in BW	14.0	dB min
Attenuation ☑ Absolute Value ☐ Relative Value	30.0dB min @ fo ± 90.0@1967~2307	MHz
	45.0dB min @ fo ± 170.0@2047~2227	MHz
	dB min @ fo ± [~]	MHz
	dB min @ fo ± [~]	MHz
Group Delay Variation		ns max
Input Power	2	W max.
In/Out Impedance	50 Ω	
Operation Temperature Range	-40℃ to +85℃	

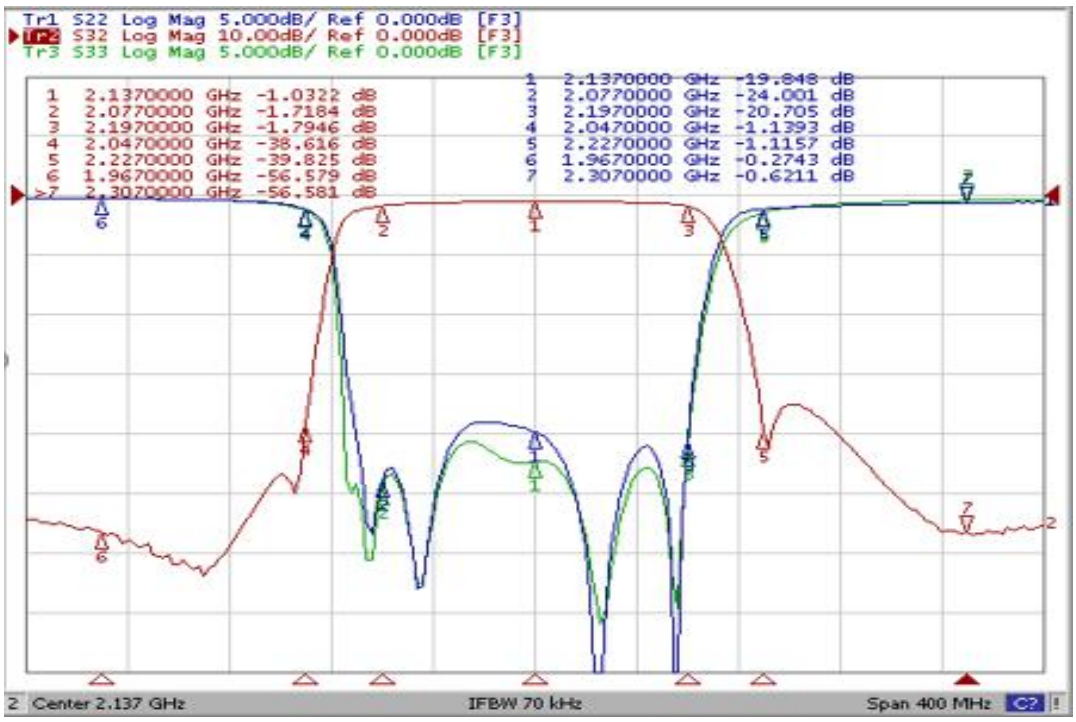
Mechanical Specification



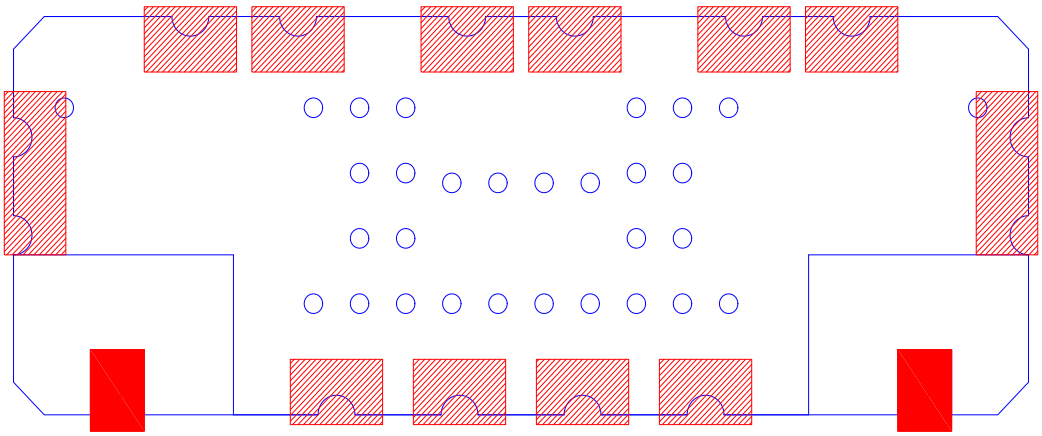
Plot Data


Tr1 S22 Log Mag 5.000dB/ Ref 0.000dB [F3]
Tr2 S32 Log Mag 10.00dB/ Ref 0.000dB [F3]
Tr3 S33 Log Mag 5.000dB/ Ref 0.000dB [F3]
1 2.1370000 GHz -0.9724 dB
2 2.0770000 GHz -1.6885 dB
3 2.1970000 GHz -1.6817 dB
4 2.0470000 GHz -39.200 dB
5 2.2270000 GHz -38.067 dB
6 1.9670000 GHz -55.935 dB
>7 2.3070000 GHz -61.734 dB
1 2.1370000 GHz -22.910 dB
2 2.0770000 GHz -24.579 dB
3 2.1970000 GHz -20.528 dB
4 2.0470000 GHz -1.3235 dB
5 2.2270000 GHz -1.0189 dB
6 1.9670000 GHz -0.2773 dB
7 2.3070000 GHz -0.6917 dB
2 Center 2.137 GHz
IFBW 70 kHz
Span 400 MHz


Tr1 S22 Log Mag 5.000dB/ Ref 0.000dB [F3]
Tr2 S32 Log Mag 10.00dB/ Ref 0.000dB [F3]
Tr3 S33 Log Mag 5.000dB/ Ref 0.000dB [F3]
1 2.1370000 GHz -1.0704 dB
2 2.0770000 GHz -1.7564 dB
3 2.1970000 GHz -1.7151 dB
4 2.0470000 GHz -33.680 dB
5 2.2270000 GHz -39.740 dB
6 1.9670000 GHz -56.133 dB
>7 2.3070000 GHz -56.108 dB
1 2.1370000 GHz -25.831 dB
2 2.0770000 GHz +20.565 dB
3 2.1970000 GHz +19.804 dB
4 2.0470000 GHz -1.3800 dB
5 2.2270000 GHz +1.2632 dB
6 1.9670000 GHz +0.3227 dB
7 2.3070000 GHz -0.6935 dB
2 Center 2.137 GHz
IFBW 70 kHz
Span 400 MHz



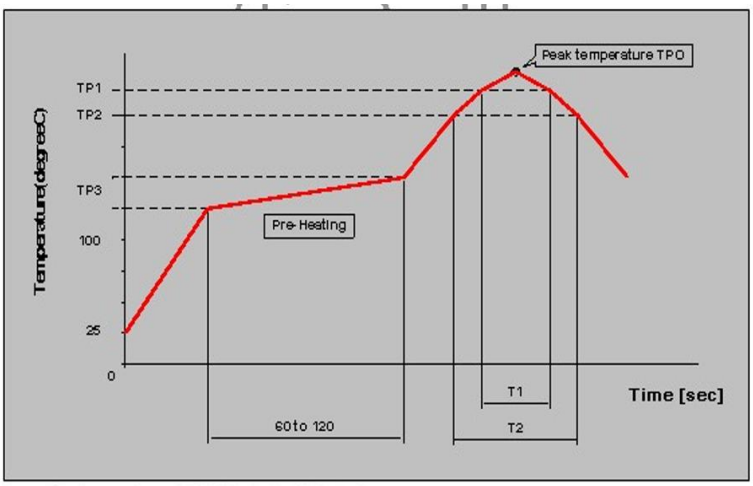
Recommanded PC Board Pattern



I/O PORT SOLDERING POINT

GROUND SOLDERING POINT

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