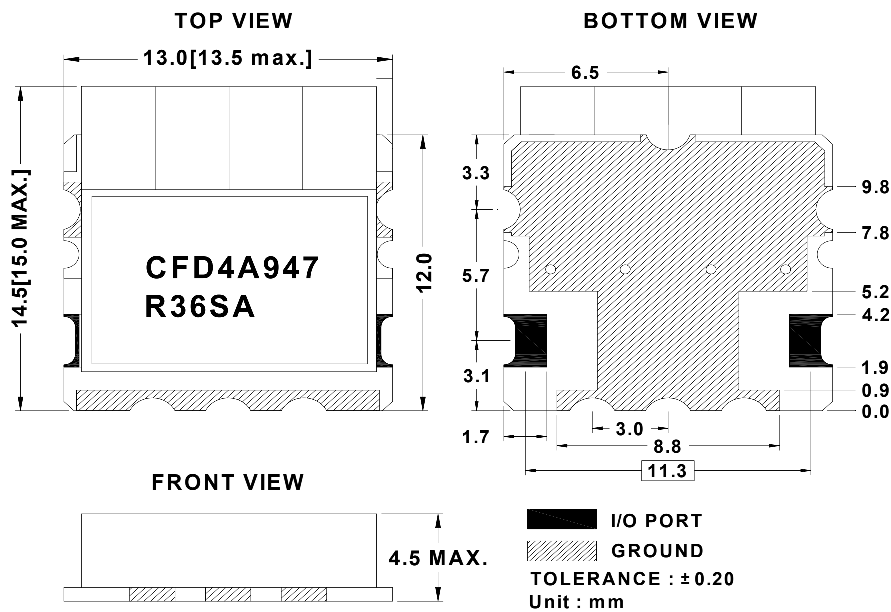
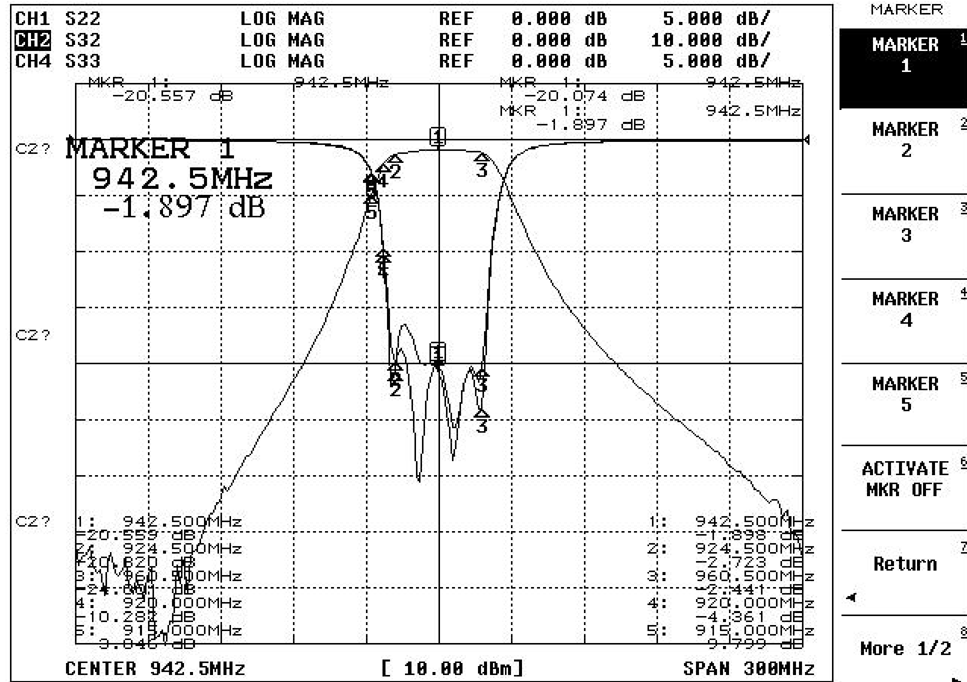
Electrical Specification

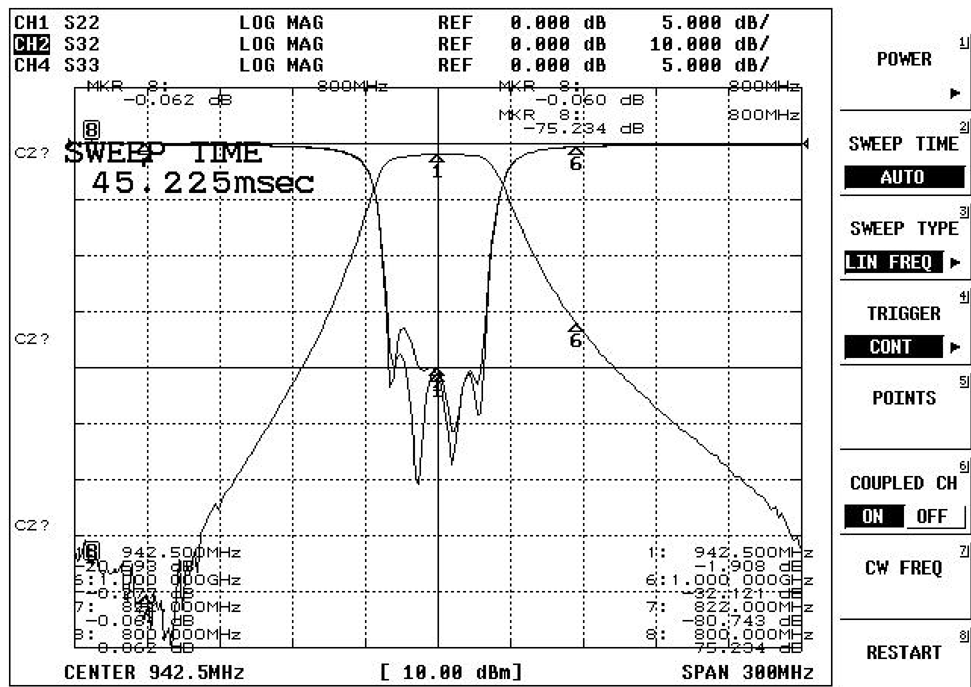
ITEMS	SPEC	UNIT
Center Frequency [fo]	942.0	MHz
Bandwidth [BW]	fo ±18.0 [924.5~960.5]	MHz
Insertion Loss in BW	3.0	dB max
Ripple in BW	1.0	dB max
Return Loss in BW	15.0	dB min
Attenuation ☑ Absolute Value ☐ Relative Value	70.0 dBc min. @ fo ± [300.0 ~ 800.0]	MHz
	70.0 dBc min. @ fo ± [822.0 &]	MHz
	30.0 dBc min. @ fo ± [1000.0 &]	MHz
	7.0 dBc min. @ fo ± [915 &]	MHz
	1.5 dBc min. @ fo ± [920 &]	MHz
	30.0 dBc min. @ fo ± [1050 ~]	MHz
	30.0 dBc min. @ fo ± [& 3000.0]	MHz
Group Delay Variation		MHz
Input Power		W max.
In/Out Impedance	50 Ω	
Operation Temperature Range	-40℃ to +85℃	

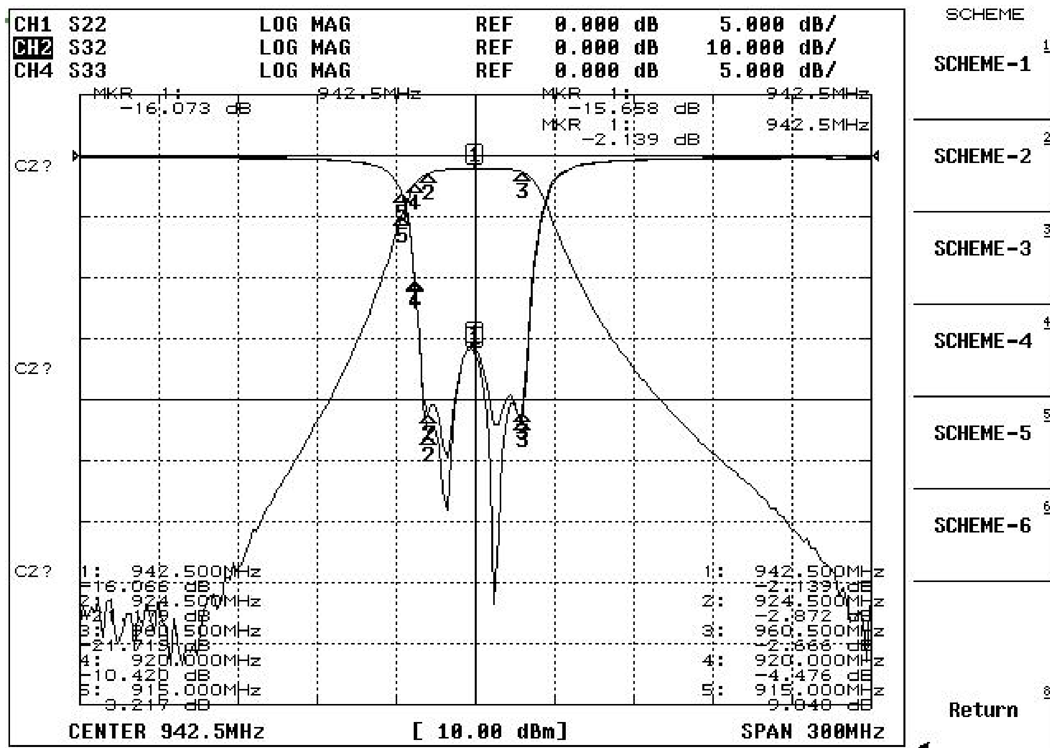
Mechanical Specification

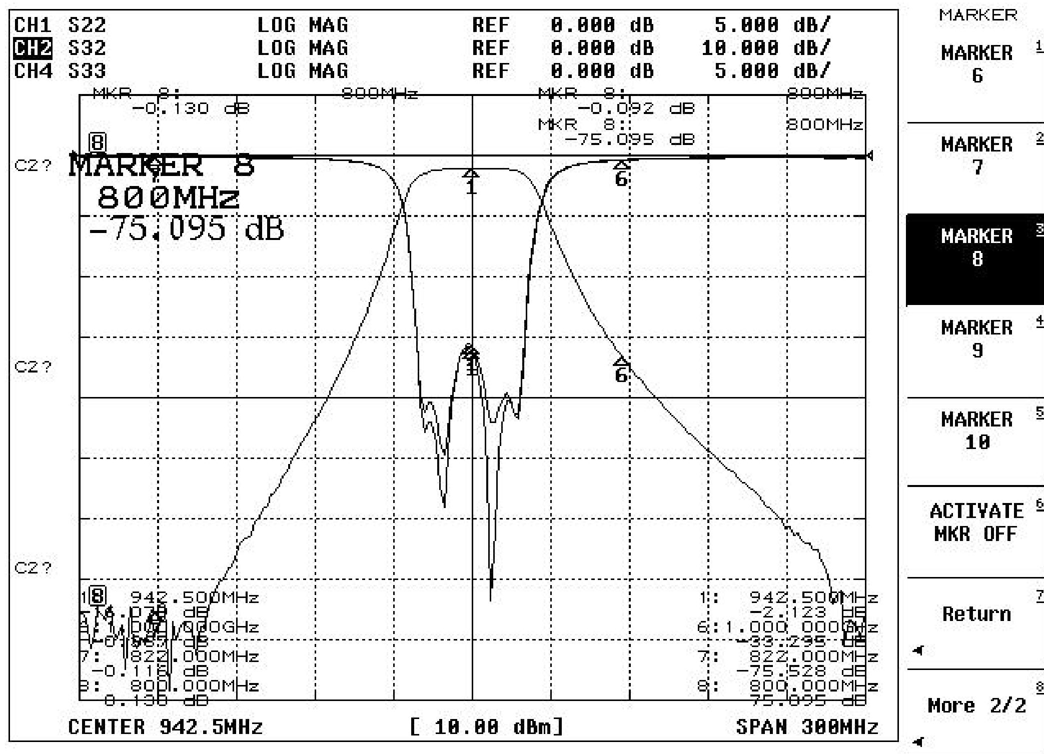


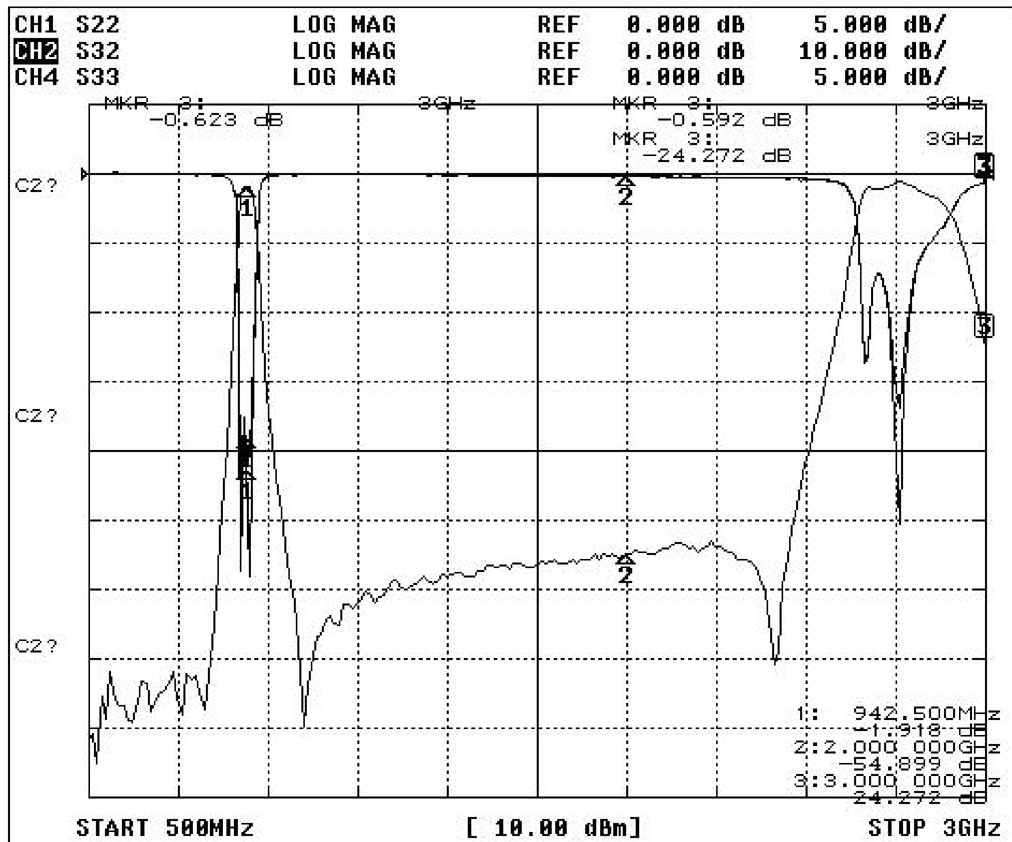
Plot Data



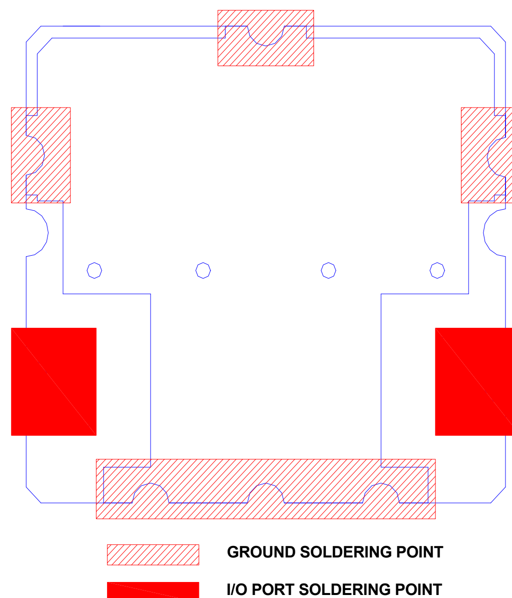



CH1 S22 LOG MAG REF 0.000 dB 5.000 dB/
CH2 S32 LOG MAG REF 0.000 dB 10.000 dB/
CH4 S33 LOG MAG REF 0.000 dB 5.000 dB/
MKR 1: -16.073 dB 942.5MHz
MKR 1: -15.658 dB 942.5MHz
MKR 1: -2.139 dB 942.5MHz
1: 942.500MHz -16.066 dB
2: 924.500MHz
3: 960.500MHz -21.715 dB
4: 920.000MHz -10.420 dB
5: 915.000MHz -3.217 dB
1: 942.500MHz -2.139 dB
2: 924.500MHz -2.872 dB
3: 960.500MHz -2.866 dB
4: 920.000MHz -4.476 dB
5: 915.000MHz -9.048 dB
CENTER 942.5MHz
[10.00 dBm]
SPAN 300MHz
SCHEME
SCHEME-1
SCHEME-2
SCHEME-3
SCHEME-4
SCHEME-5
SCHEME-6
Return

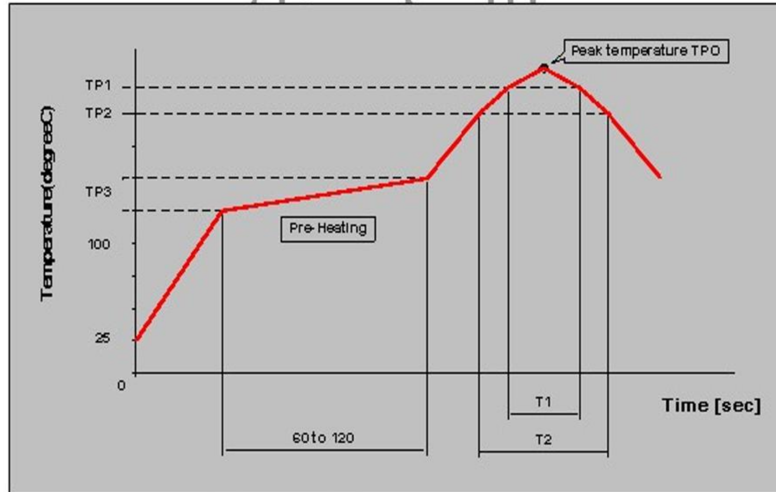

CH1 S22 LOG MAG REF 0.000 dB 5.000 dB/
CH2 S32 LOG MAG REF 0.000 dB 10.000 dB/
CH4 S33 LOG MAG REF 0.000 dB 5.000 dB/
MKR 8: -0.130 dB 800MHz
MKR 8: -0.092 dB 800MHz
MKR 8: -75.095 dB 800MHz
MARKER 8
800MHz
-75.095 dB
7: 822.000MHz -0.118 dB
8: 800.000MHz -0.130 dB
1: 942.500MHz -2.123 dB
6: 1.000 000GHz -33.295 dB
7: 822.000MHz -75.528 dB
8: 800.000MHz -75.095 dB
CENTER 942.5MHz
[10.00 dBm]
SPAN 300MHz
MARKER
MARKER 6
MARKER 7
MARKER 8
MARKER 9
MARKER 10
ACTIVATE MKR OFF
Return
More 2/2



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