

DESCRIPTION

- 1880 MHz SAW filter
- 3 x 3 mm LCC package.
- RoHS compliant.

A. MAXIMUM RATING

1. Input Power Level: 10 dB_m
2. DC voltage: 5 V
3. Operating Temperature: -30°C to +85°C
4. Storage Temperature: -40°C to +85°C

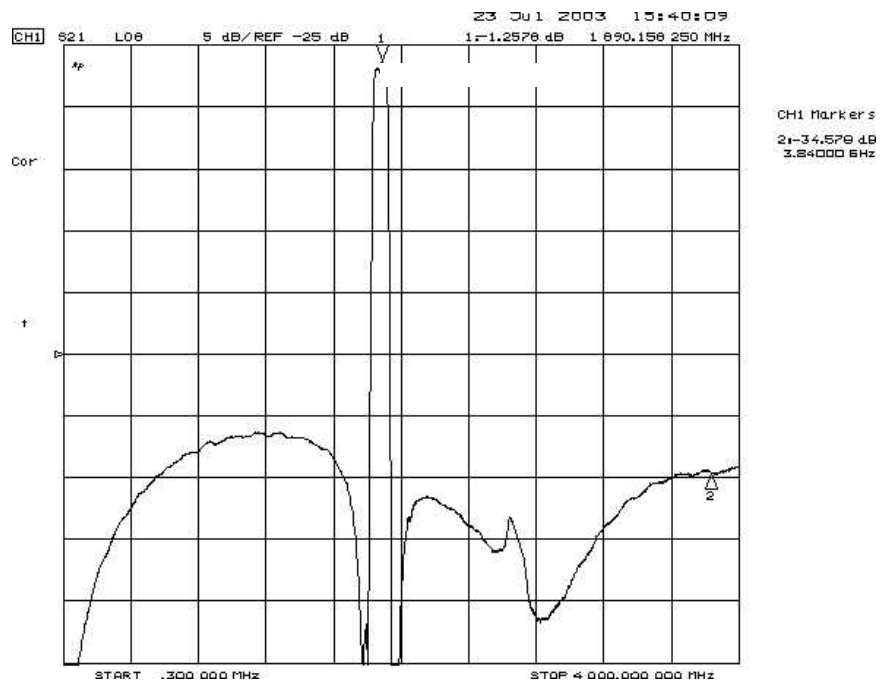
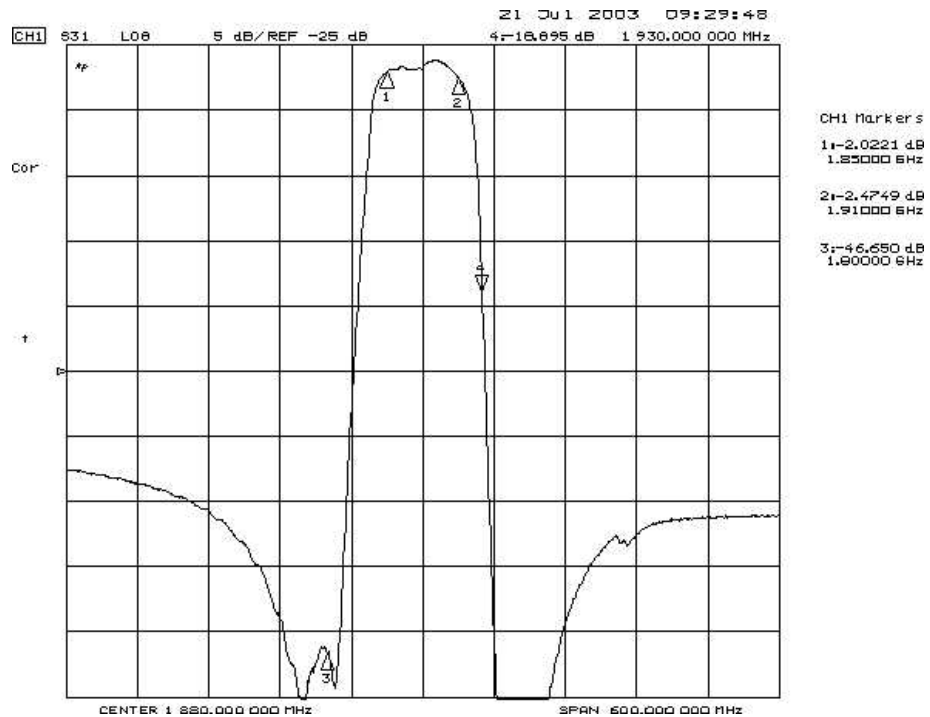
B. ELECTRICAL CHARACTERISTICS

Item	Min.	Typ.	Max.
Center frequency F_c (dB)	-	1880	-
Insertion loss (1850~1910 MHz) IL (dB)	-	2.45	4.0
Amplitude ripple (1850~1910 MHz) (dB)	-	1.2	2.5
Attenuation (Reference level from 0 dB)			
D.C. ~ 1660 MHz (dB)	20	32	-
1660 ~ 1721 MHz (dB)	30	35	-
1721 ~ 1800 MHz (dB)	20	37	-
1930 ~ 1990 MHz (dB)	7	19	-
2000 ~ 2040 MHz (dB)	25	37	-
2040 ~ 2480 MHz (dB)	31	38	-
3700 ~ 3820 MHz (dB)	25	35	-
Input/Output Return Loss (1850~1910 MHz)	7.4	13	-
Source impedance Z _s (Ω)	-	50	-
Load impedance Z _L (Ω)	-	50	-

Note1. The standard definitions are in JIS C 6703.

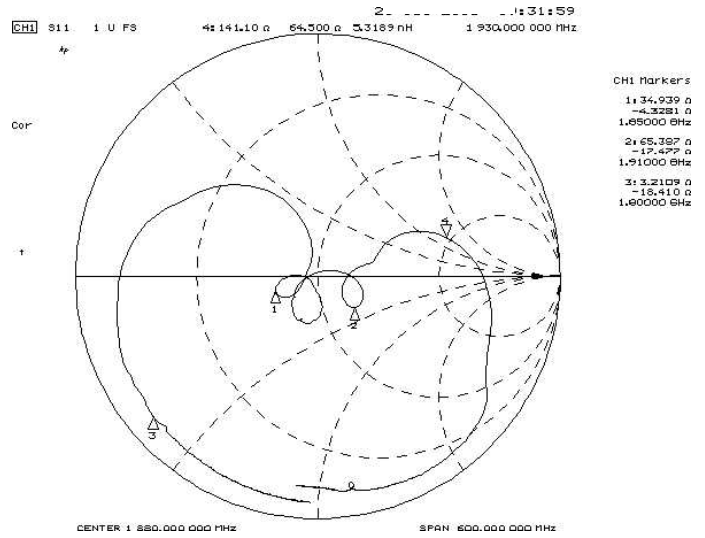
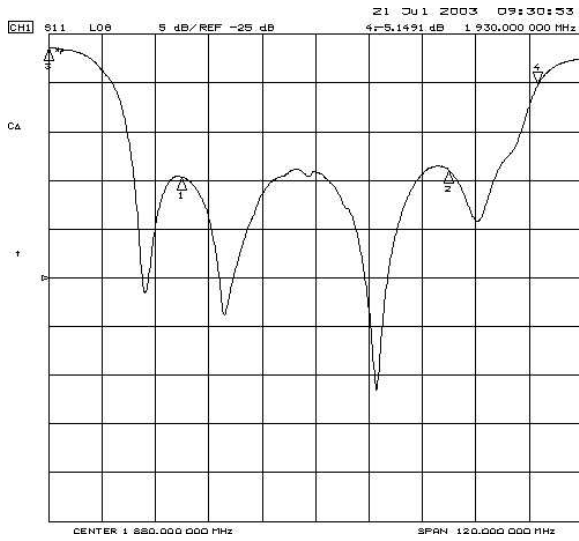
C. FREQUENCY CHARACTERISTICS

Transfer function

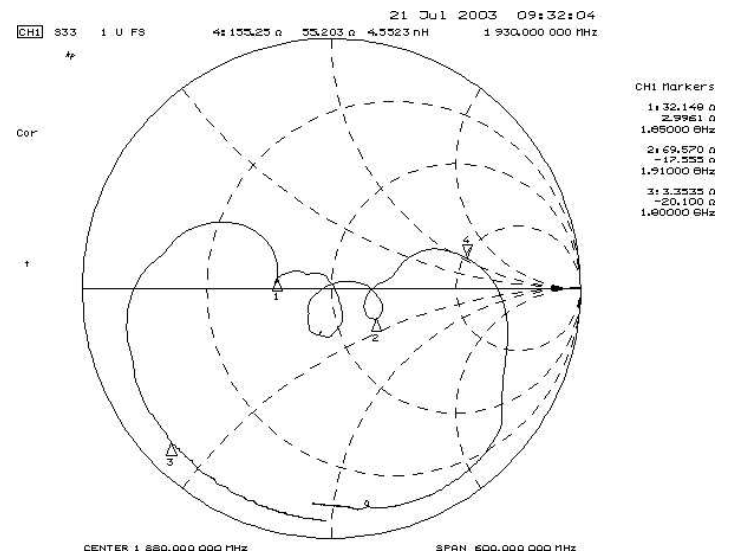
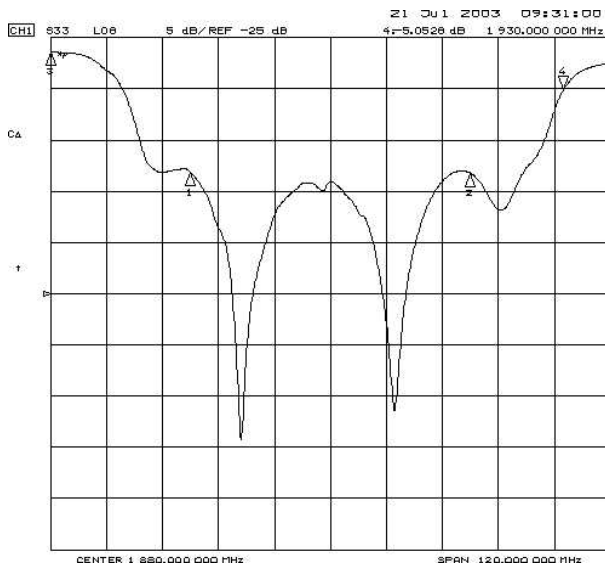


Reflections Functions

S11

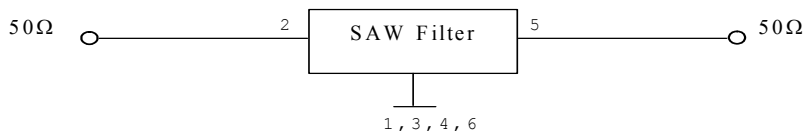


S22

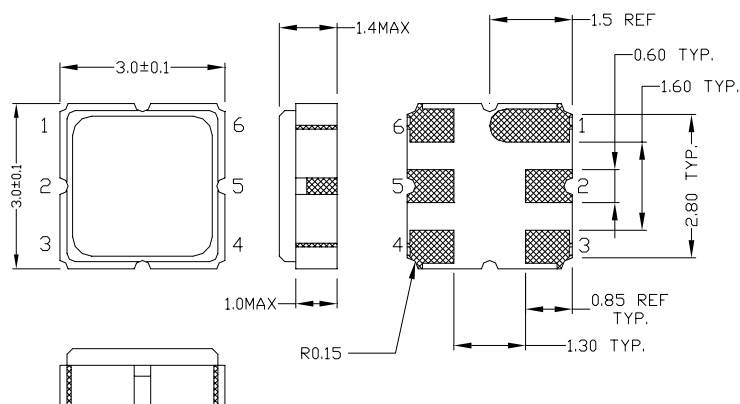


D. MEASUREMENT CIRCUIT

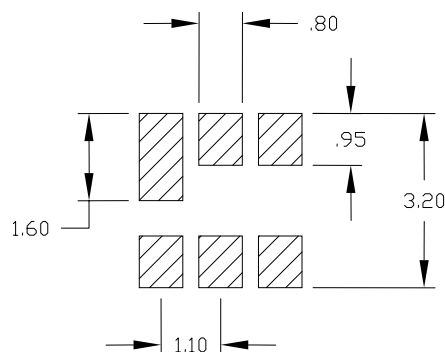
HP Network analyzer



E. PACKAGE OUTLINE



SUGGESTED FOOTPRINT



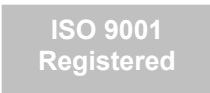
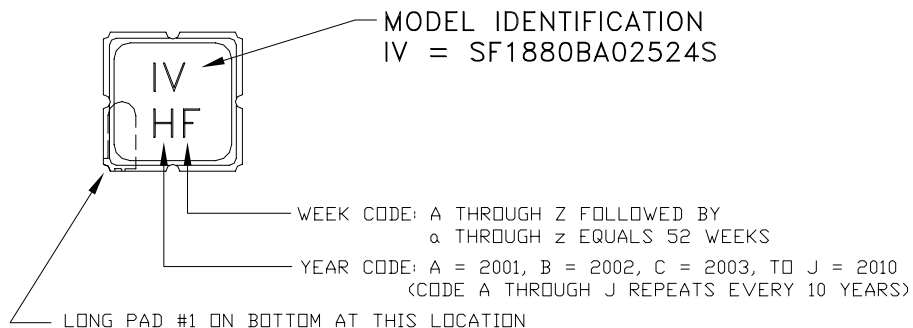
Units: mm

Tolerances are ±0.15 mm except where indicated.

Pad Configuration:

Input: 2
 Output: 5
 Ground: All other pads

F. MARKING



All specifications are believed to be accurate and reliable. However, Spectrum Microwave reserves the right to make changes without notice.
 © 2010 All rights reserved.