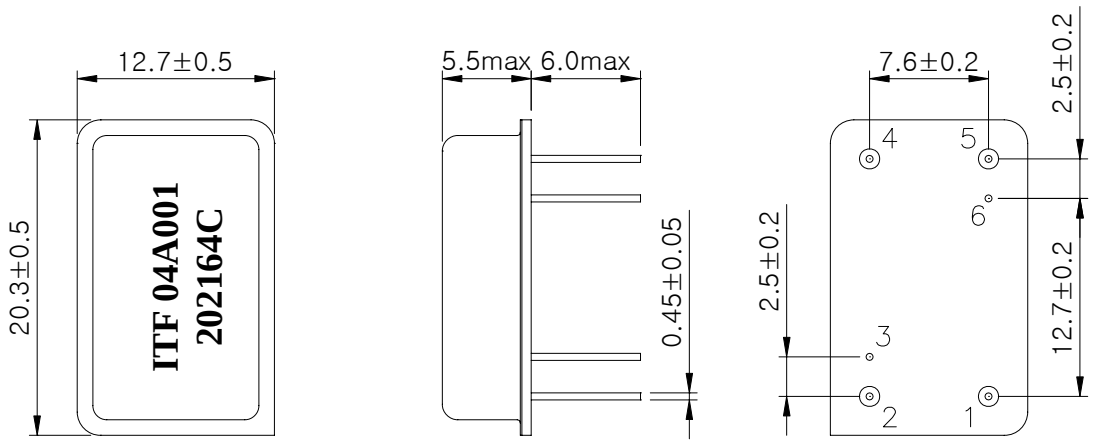
SAW Bandpass Filter 202164C

1. Features

- IF bandpass filter
- High attenuation
- Single-ended operation
- DIP Package
- Maximum Storage Temperature Range : -40℃ ~ 85℃
- Electrostatics Sensitive Device (ESD)

2. Package Dimension



Package : D2012

Dimensions shown are nominal in millimeters

Base : Fe(SPCC), Au plating over Ni plated
Cap : Cu & Cr Alloy, Ni Plated
Termination : Kovar, Au Plated

Pin Configuration	
1	Input
5	Output
2, 4	Ground
3, 6	Case ground

3. Specifications

Fo = 70.0 MHz

Terminating source impedance : 50Ω and matching network

Terminating load impedance : 50Ω and matching network

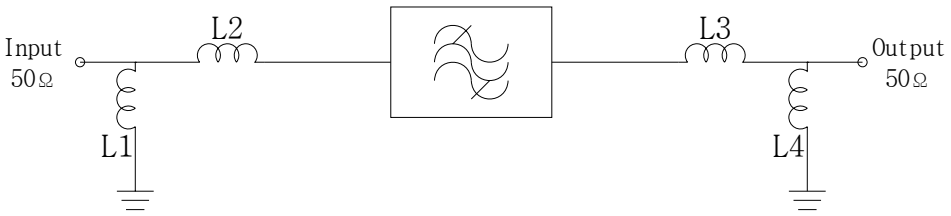
		Minimum	Typical	Maximum
Center Frequency	MHz	69.95	70.0	70.05
Insertion Loss	dB	-	22.5	25.0
1dB Bandwidth	MHz	-	4.0	-
3dB Bandwidth	MHz	4.0	4.4	-
40dB Bandwidth	MHz	-	6.12	6.3
Amplitude Ripple (Fo +/- 1.8 MHz)	dB	-	0.6	1.0
Group Delay Variation (Fo +/- 1.8 MHz)	nsec	-	60	150
Absolute Delay	usec	-	2.84	-
Ultimate Rejection	dB	50	55	-
Temperature Coefficient of Frequency	ppm/°C	-	-23	-

Notes :

1) All specifications are based on the matching schematic shown below
2) All specifications are measured by Agilent Network analyzer and full 2 port calibration at room temperature
3) All attenuation measurements are measured relative to insertion loss

4. Matching Schematic

(Actual matching values may vary due to PCB layout and parasitics)



L2 = L3 = 82 nH,

L1 = L4 = 68 nH

5. Marking Configuration

ITF[1] 04A001[2]

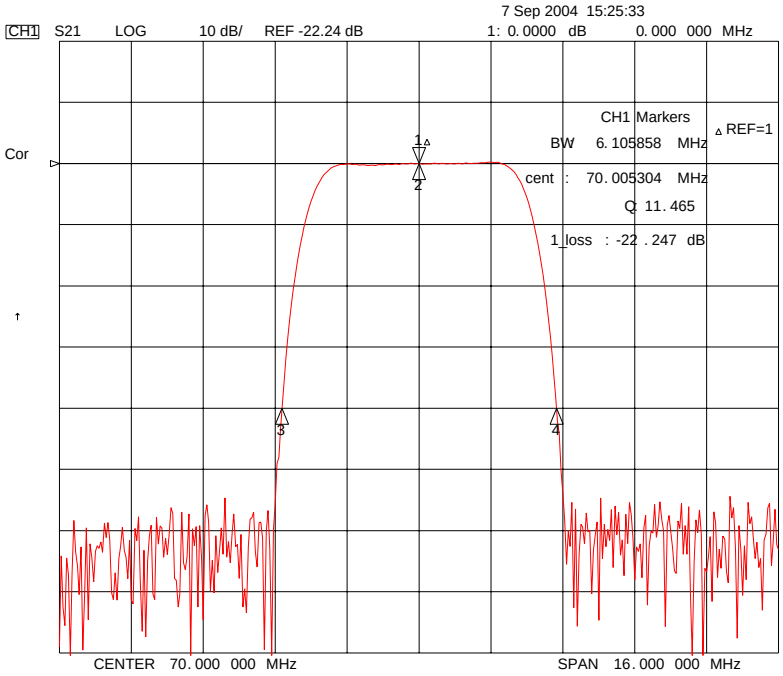
202164C[3]

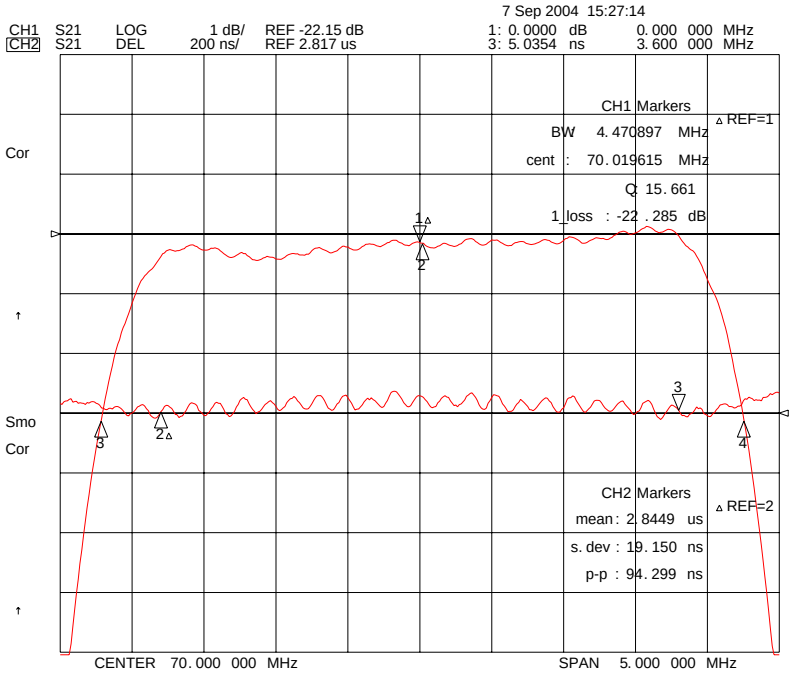
1) Manufacturer name

2) Lot Number

3) Part Number

6. Typical Performance (at +25℃)





SAW Bandpass Filter 202164C

