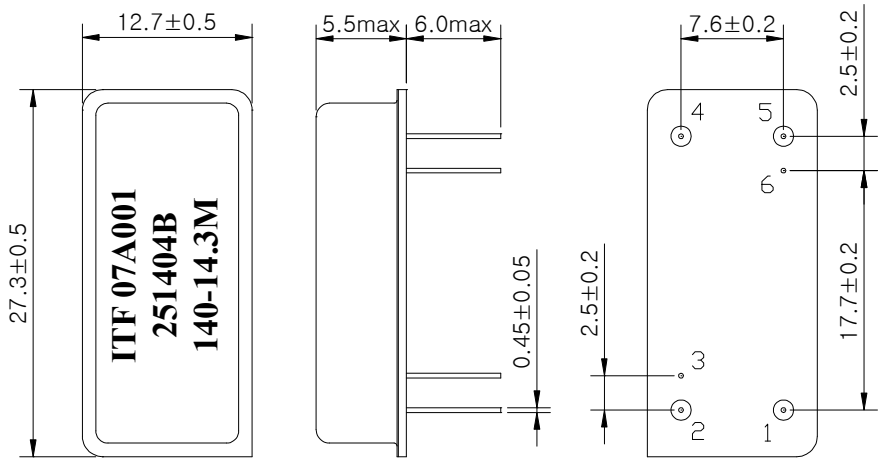
SAW Bandpass Filter 251404B

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 : D2712

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 = 140.0 MHz

Terminating source impedance : 50Ω and matching network

Terminating load impedance : 50Ω and matching network

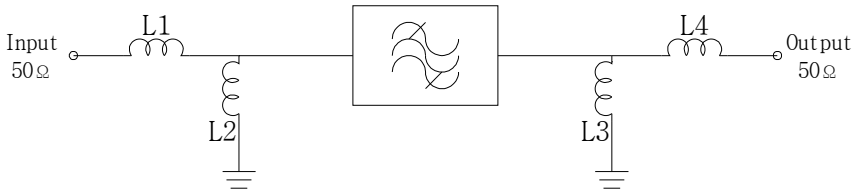
Room Temperature : +25℃		Minimum	Typical	Maximum
Center Frequency	MHz	-	140.0	-
Insertion Loss	dB	-	23.6	26.0
1dB Bandwidth	MHz	-	14.25	-
3dB Bandwidth	MHz	14.55	14.63	-
40dB Bandwidth	MHz	-	16.2	16.3
Amplitude Ripple (fo±6.875 MHz)	dB	-	0.57	1.0
Group Delay Variation (fo±6.875 MHz)	nsec	-	40	100
Absolute Delay	usec	-	3.34	-
Ultimate Rejection	dB	50	58	-
Out of Band-Gain Fc+/-8.5	dB	55	60	
Temperature Coefficient of Frequency	ppm/°C	-	-18	-

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)



L1 = 33nH, L2 = 33nH

L3 = 47nH, L4 = 33nH

5. Marking Configuration

ITF[1] 07A001[2]

251404B[3]

140[4]-14.3M[5]

1) Manufacturer name

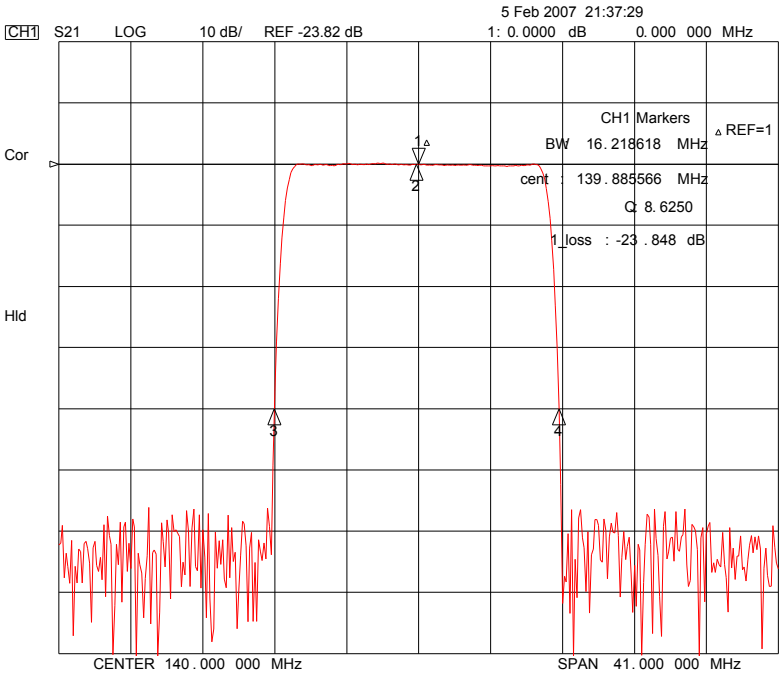
2) Lot Number

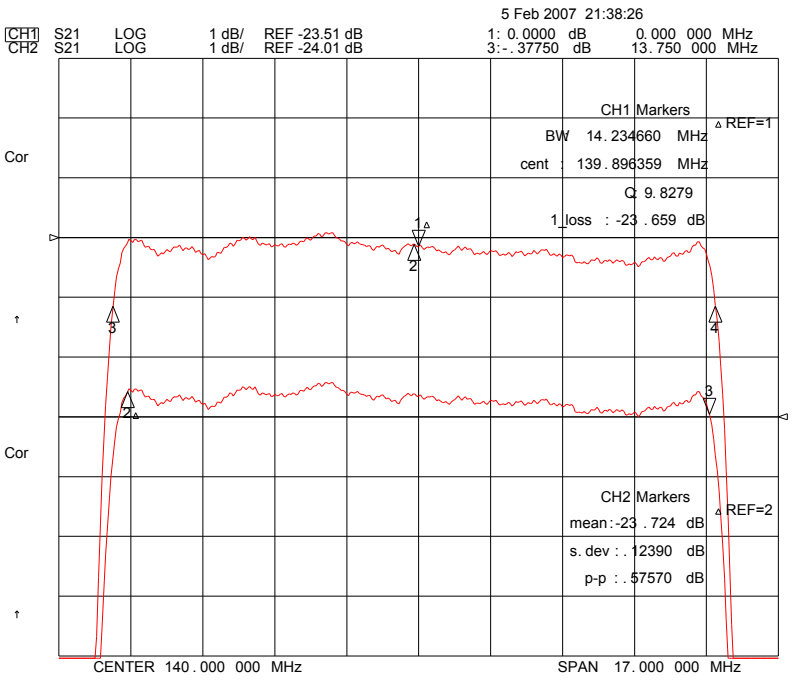
3) Part Number

4) Center Frequency

5) 1dB-Bandwidth

6. Typical Performance (at +25℃)





SAW Bandpass Filter 251404B

