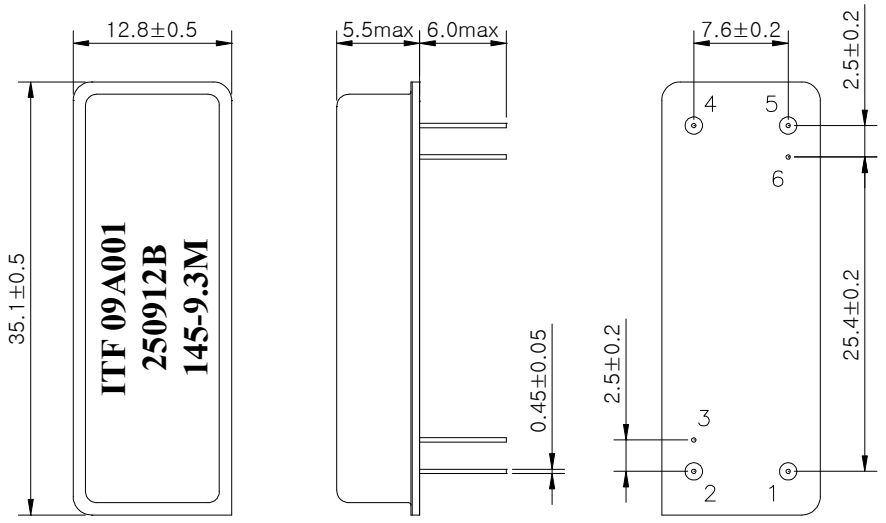
SAW Bandpass Filter 250912B

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 : D3512

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 = 145.0 MHz

Terminating source impedance : 50Ω and matching network

Terminating load impedance : 50Ω and matching network

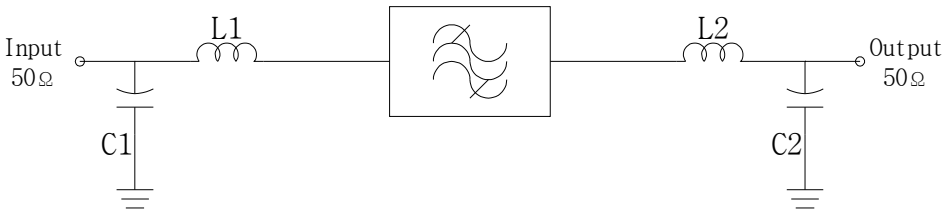
		Minimum	Typical	Maximum
Center Frequency	MHz	-	145.0	-
Insertion Loss	dB	-	25.2	27.0
1dB Bandwidth	MHz	9.15	9.3	-
3dB Bandwidth	MHz	-	9.5	-
50dB Bandwidth	MHz	-	10.4	10.55
Amplitude Ripple (fo ± 4.52 MHz)	dB	-	0.5	1.0
Group Delay Variation (fo ± 4.52 MHz)	nsec	-	90	150
Absolute Delay	usec	-	4.25	-
Ultimate Rejection	dB	55	60	-
Input Power	dBm	-	-	10
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 = 27nH, L2 = 22nH

C1 = 47nH, C2 = 51nH

5. Marking Configuration

ITF[1] 09A001[2]

250912B[3]

145[4]-9.3M[5]

1) Manufacturer name

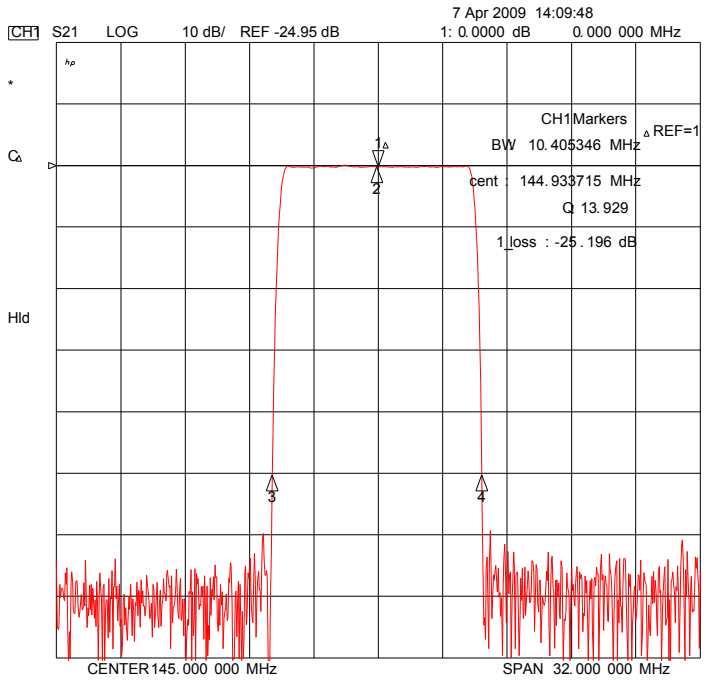
2) Lot Number

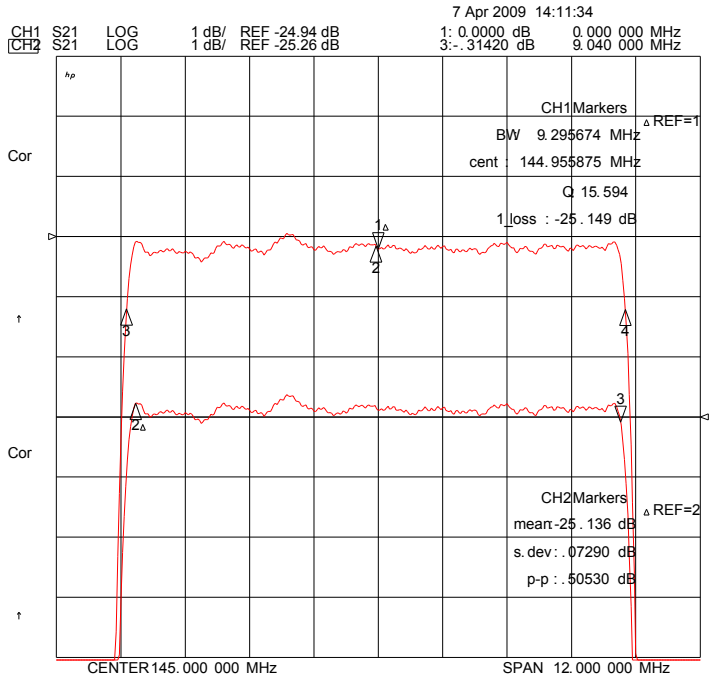
3) Part Number

4) Center frequency

5) 1dB-Bandwidth

6. Typical Performance (at +25°C)





SAW Bandpass Filter 250912B

