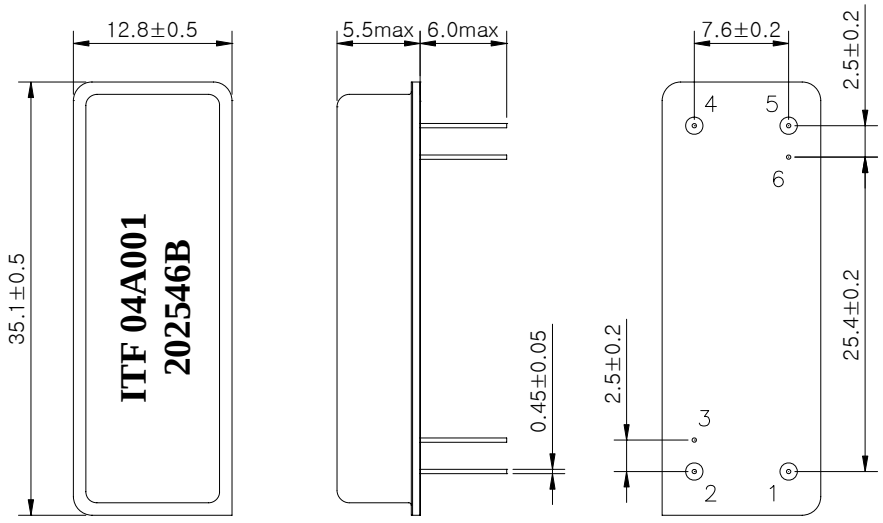
SAW Bandpass Filter 202546B

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
4	Output
2, 5	Ground
3, 6	Case ground

3. Specifications

Fo = 160.0 MHz

Terminating source impedance : 50Ω and matching network

Terminating load impedance : 50Ω and matching network

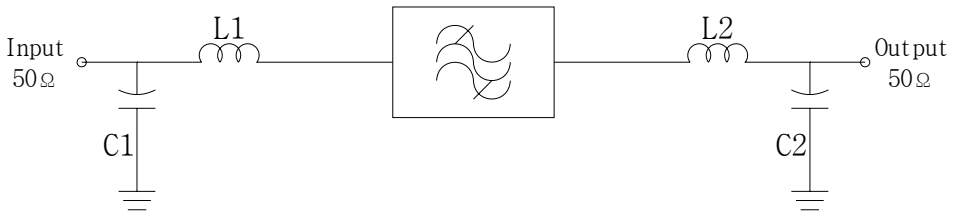
		Minimum	Typical	Maximum
Center Frequency	MHz	159.92	160	160.08
Insertion Loss	dB	-	23.0	25.5
1dB Bandwidth	MHz	-	2.45	-
3dB Bandwidth	MHz	2.45	2.57	-
40dB Bandwidth	MHz	-	3.08	3.1
Amplitude Ripple (Fo +/- 1.15 MHz)	dB	-	0.8	1.0
Group Delay Variation (Fo +/- 1.15 MHz)	nsec	-	200	300
Absolute Delay	usec	-	4.72	-
Ultimate Rejection	dB	40	45	-
Temperature Coefficient of Frequency	ppm/°C^2	-	-0.03	-

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 = L2 = 39 nH

C1 = C2 = 39 pF

5. Marking Configuration

ITF[1] 04A001[2]

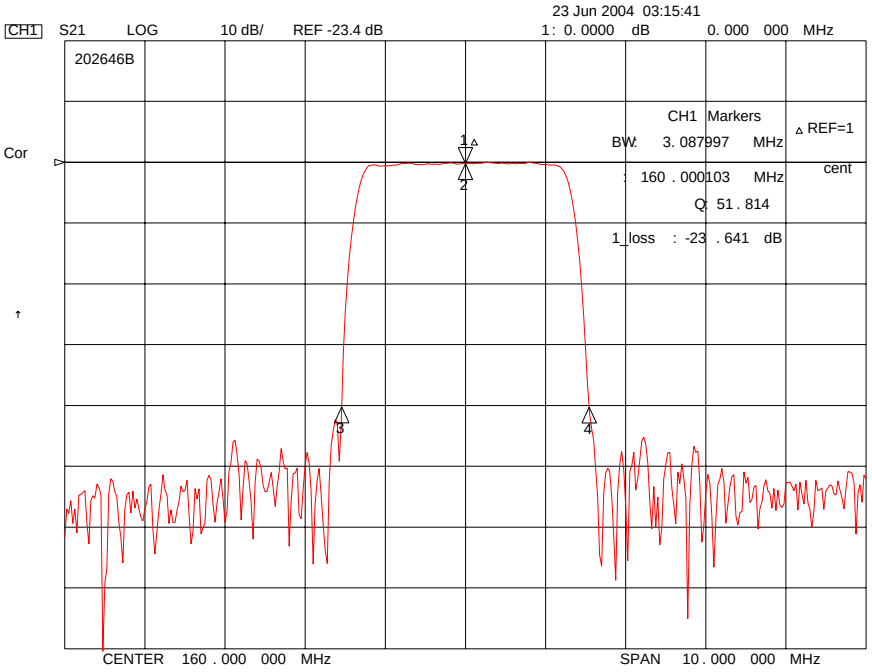
202546B[3]

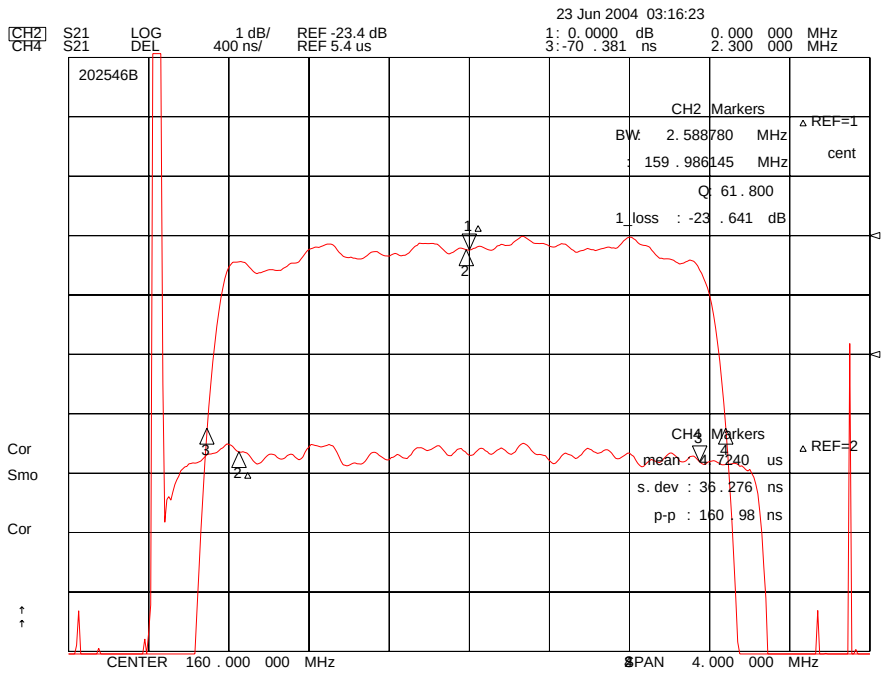
1) Manufacturer name

2) Lot Number

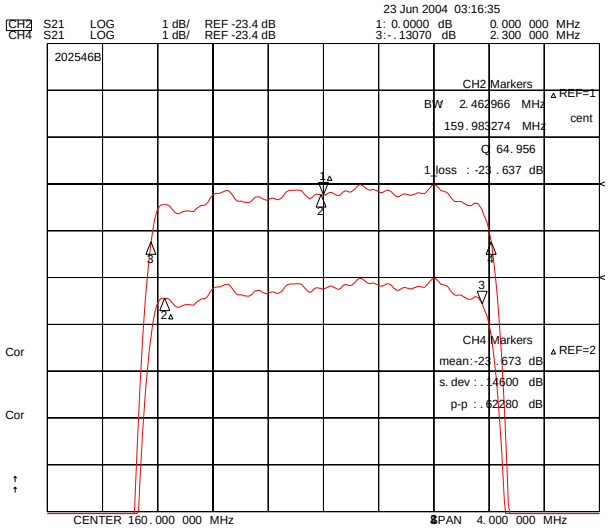
3) Part Number

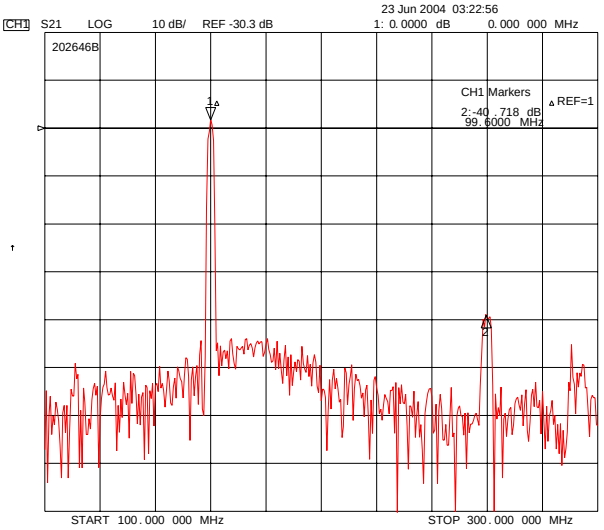
6. Typical Performance (at +25℃)

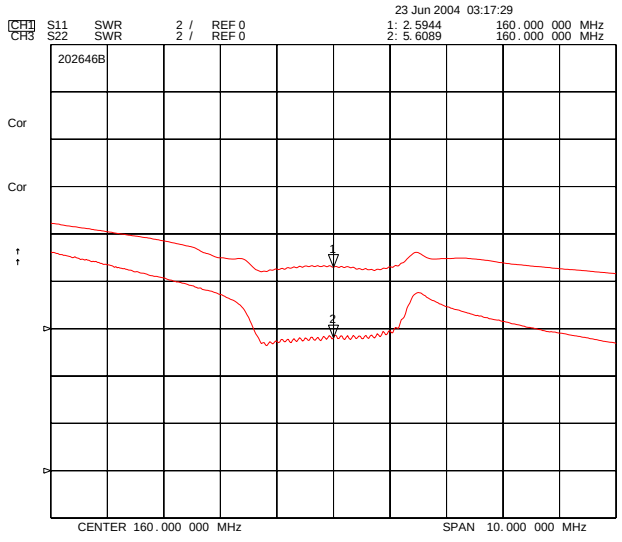


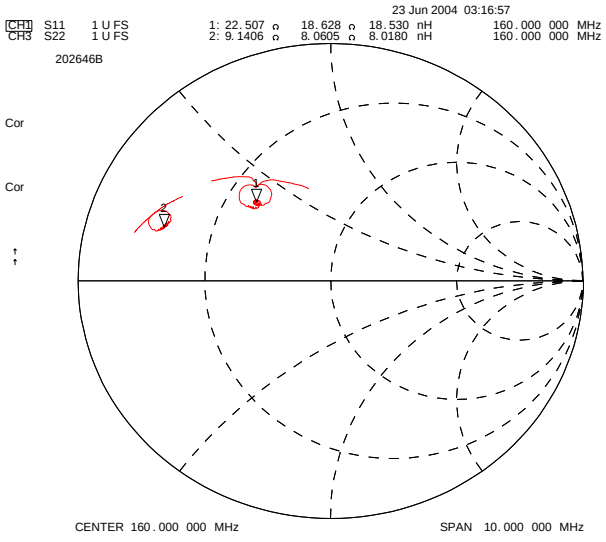


SAW Bandpass Filter 202546B









Integrated Technology Future	**I T F Co., Ltd.** 102-901, Bucheon Technopark 364, Samjeong-Dong, Ojeong-Gu, Bucheon-City, Gyounggi-Do, Korea 421-809	Part No.	202546B
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