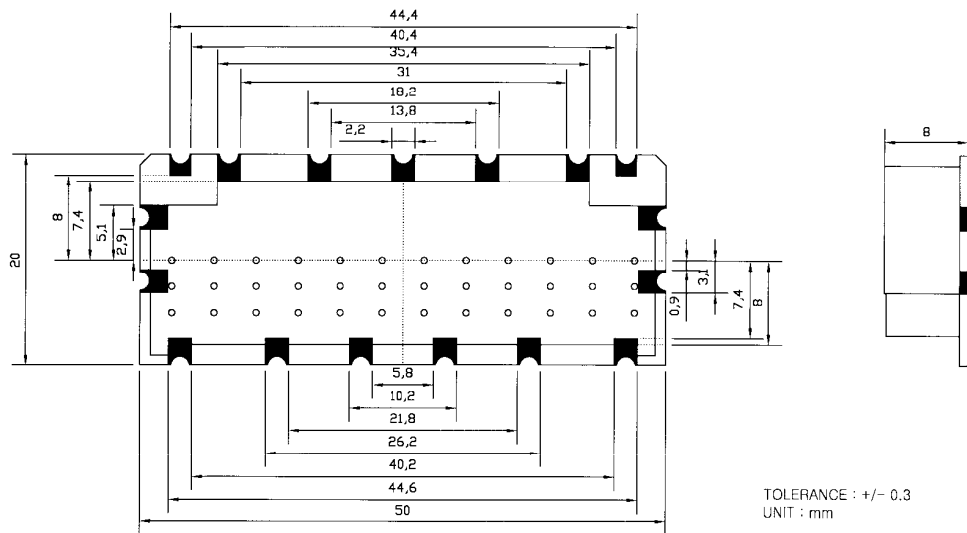


Ceramic Bandpass Filter IFD17734

Features

- Ceramic bandpass filter
- 50Ω single-ended operation
- Surface Mounted Module Package (50mm × 20mm × 8mm)


Package Dimensions



Maximum Ratings

Parameter	Unit	Minimum	Typical	Maximum
Operating Temperature Range	℃	-30	25	70
Storage Temperature Range	℃	-40	25	85
Power Handling Capability	Watt	-	-	2

Electrostatics Sensitive Device (ESD)

	ITF Co., Ltd. 102-901, Bucheon Technopark 364, Samjeong-Dong, Ojeong-Gu, Bucheon-City, Gyeonggi-Do, Korea 421-809	Part No.	IFD17734	
		Rev. Date	2014-08-29	
		Rev.	AS 01	1/4

Ceramic Bandpass Filter IFD17734


Specifications

Fo = 1775MHz

	Minimum	Typical	Maximum	Unit
Center Frequency (Fo)	-	1775	-	MHz
Insertion Loss (1770~ 1780MHz)	-	17	19	dB
Amplitude Ripple (1770~ 1780MHz)	-	1.8	2.0	dB
Return Loss (1770~ 1780MHz)	13	18	-	dB
Relative Attenuation @ 1765 MHz	30.0	33.0	-	dB
Input/Output Impedance		50		Ohm

Notes :

- 1) All specifications are based on the matching schematic shown below, measured by Agilent Network analyzer and full 2 port calibration.
- 2) Electrical margin has been built into the design to account for the variations due to temperature drift and manufacturing tolerances
- 3) All attenuation measurements are measured relative to insertion loss


	ITF Co., Ltd. 102-901, Bucheon Technopark 364, Samjeong-Dong, Ojeong-Gu, Bucheon-City, Gyeonggi-Do, Korea 421-809	Part No.	IFD17734	
		Rev. Date	2014-08-29	
		Rev.	AS 01	2/4

Ceramic Bandpass Filter IFD17734

Matching Schematic

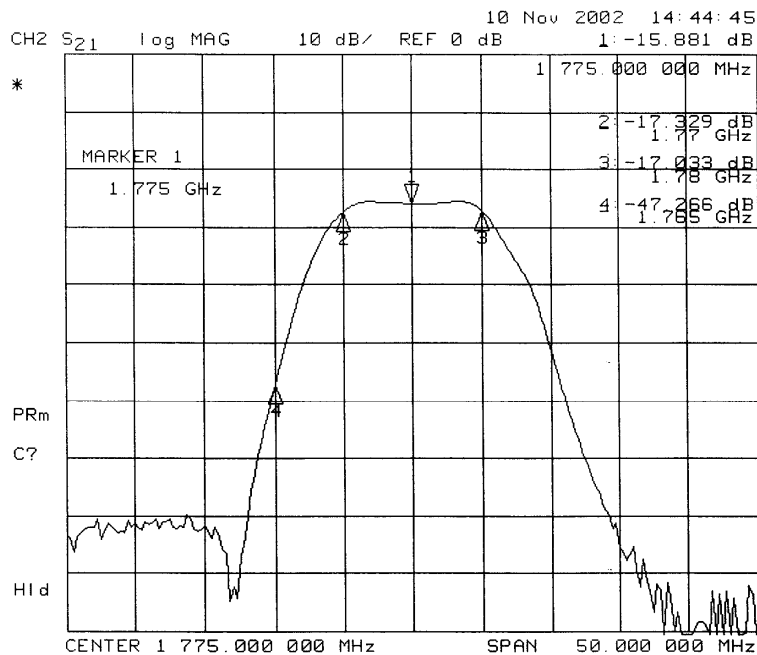
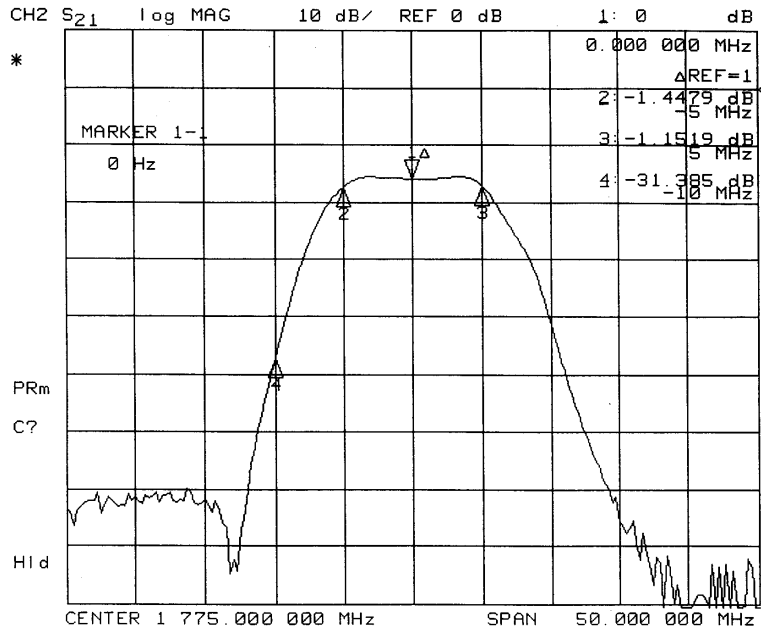
(Actual matching values may vary due to PCB layout and parasitics)



	ITF Co., Ltd. 102-901, Bucheon Technopark 364, Samjeong-Dong, Ojeong-Gu, Bucheon-City, Gyeonggi-Do, Korea 421-809	Part No.	IFD17734	
		Rev. Date	2014-08-29	
		Rev.	AS 01	3/4

Ceramic Bandpass Filter IFD17734

Typical Performance (at 25°C)



ITF Co., Ltd.
102-901, Bucheon Technopark 364,
Samjeong-Dong, Ojeong-Gu, Bucheon-City,
Gyeonggi-Do, Korea 421-809

Part No.

IFD17734

Rev. Date

2014-08-29

Rev.

AS 01

4/4