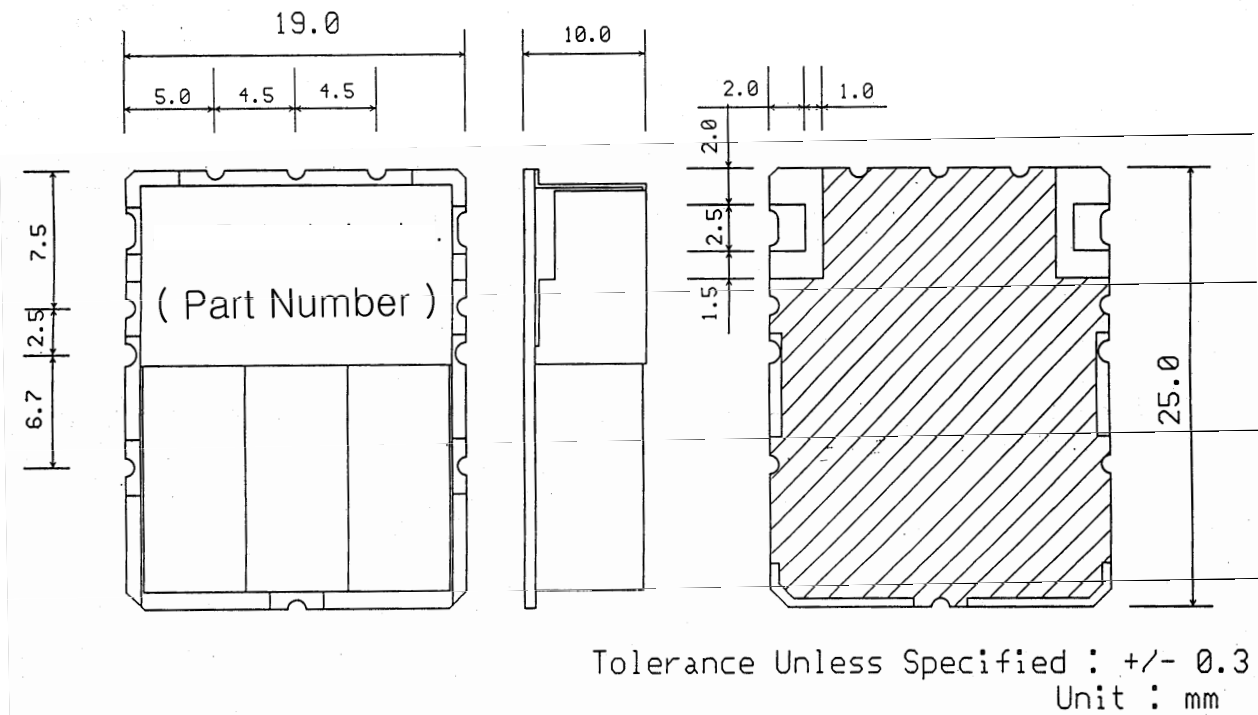


Ceramic Bandpass Filter IFD04621

Features

- Ceramic bandpass filter
- 50Ω single-ended operation
- Surface Mounted Module Package (19mm × 25mm × 10mm)


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.	IFD04621	
		Rev. Date	2014-08-28	
		Rev.	AS 01	1/4

Ceramic Bandpass Filter IFD04621


Specifications

Fo = 460 MHz

	Minimum	Typical	Maximum	Unit
Center Frequency (Fo)	-	460	-	MHz
Insertion Loss (456 ~ 464MHz)	-	1.1	1.3	dB
Amplitude Ripple (456 ~ 464MHz)	-	0.3	0.5	dB
Return Loss (456 ~ 464MHz)	15	20	-	dB
Relative Attenuation @ 330 MHz @ 590 MHz	35.0 50.0	40.0 40.0	-	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.	IFD04621	
		Rev. Date	2014-08-28	
		Rev.	AS 01	2/4

Ceramic Bandpass Filter IFD04621

Matching Schematic

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




Marking Configuration

Part Number ¹⁾

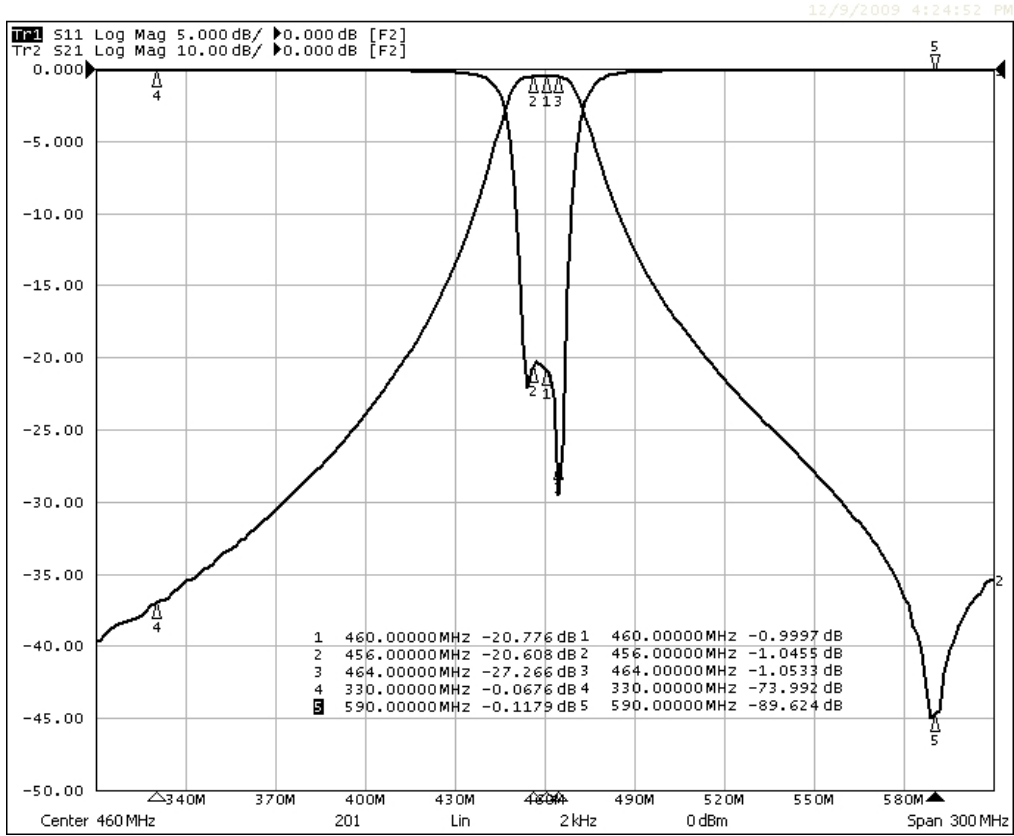
1) Part Number


* Ink or Laser Marking available

	ITF Co., Ltd. 102-901, Bucheon Technopark 364, Samjeong-Dong, Ojeong-Gu, Bucheon-City, Gyeonggi-Do, Korea 421-809	Part No.	IFD04621	
		Rev. Date	2014-08-28	
		Rev.	AS 01	3/4

Ceramic Bandpass Filter IFD04621

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.	IFD04621	
		Rev. Date	2014-08-28	
		Rev.	AS 01	4/4