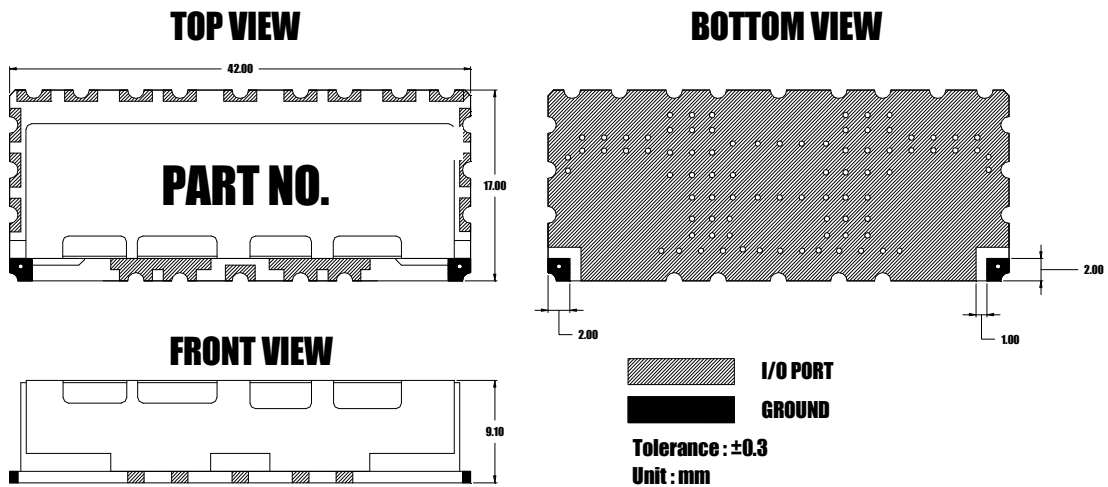


Ceramic Bandpass Filter IFD08362

Features

- Ceramic bandpass filter
- 50Ω single-ended operation
- Surface Mounted Module Package (42mm × 17mm × 9.1mm)


Package Dimensions



Maximum Ratings

Parameter	Unit	Minimum	Typical	Maximum
Operating Temperature Range	℃	-40	25	85
Storage Temperature Range	℃	-40	25	85
Power Handling Capability	Watt	-	-	3

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.	IFD08362	
		Rev. Date	2014-09-04	
		Rev.	AS 01	1/4

Ceramic Bandpass Filter IFD08362


Specifications

Fo = 836.5MHz

	Minimum	Typical	Maximum	Unit
Center Frequency (Fo)	-	836.5	-	MHz
Insertion Loss (824 ~ 849MHz)	-	3.0	3.5	dB
Amplitude Ripple (824 ~ 849MHz)	-	1.2	1.5	dB
Return Loss (824 ~ 849MHz)	15	18	-	dB
Relative Attenuation @ 859 MHz 869 MHz ~ 894MHz	45.0 65.0	50.0 68.0	- -	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.	IFD08362	
		Rev. Date	2014-09-04	
		Rev.	AS 01	2/4

Ceramic Bandpass Filter IFD08362

Matching Schematic

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




Marking Configuration

Part No. ¹⁾

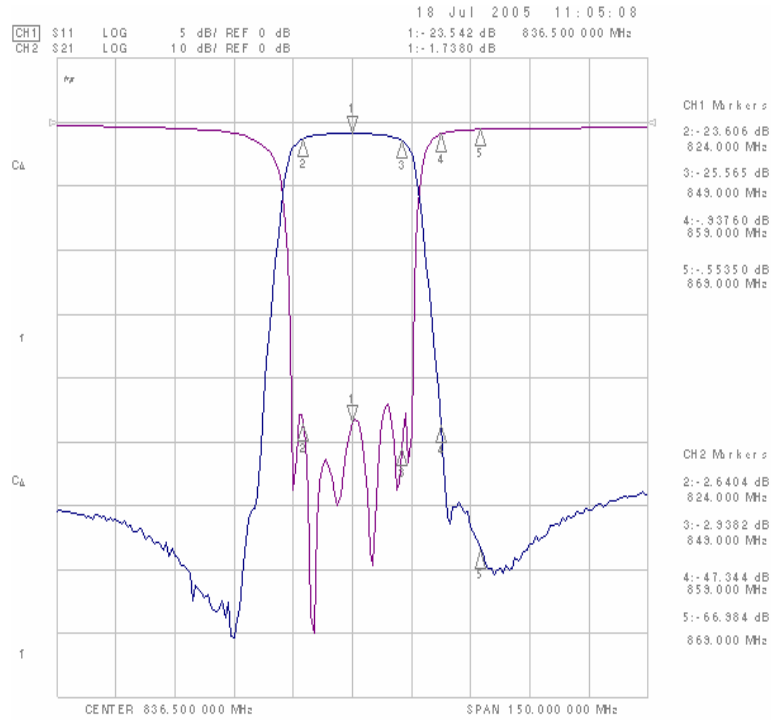
1) Part Number


* 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.	IFD08362	
		Rev. Date	2014-09-04	
		Rev.	AS 01	3/4

Ceramic Bandpass Filter IFD08362

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.	IFD08362	
		Rev. Date	2014-09-04	
		Rev.	AS 01	4/4