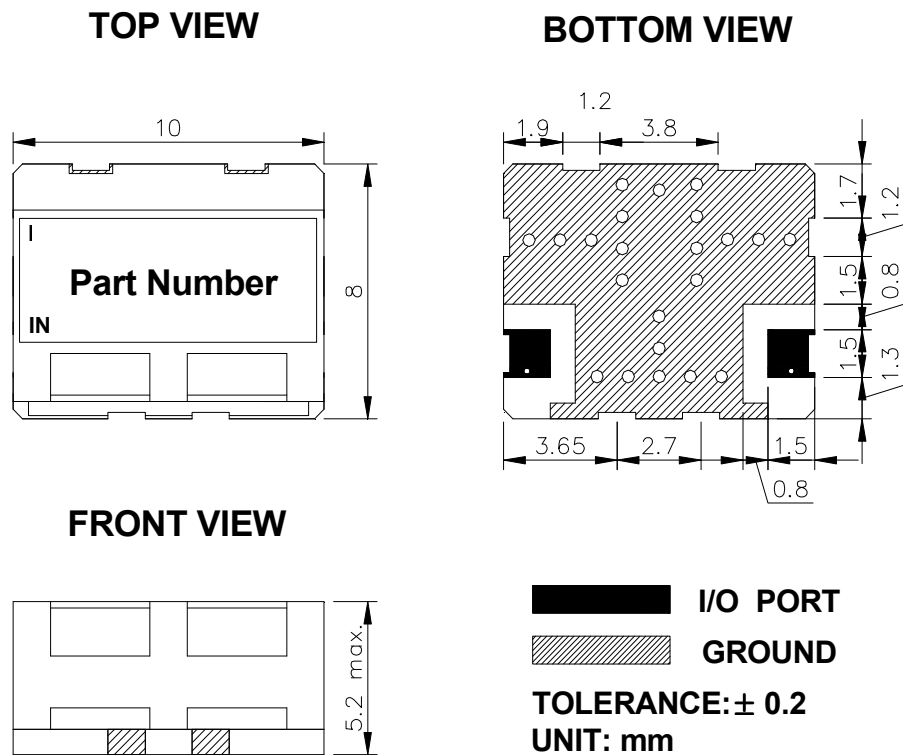


Ceramic Bandpass Filter IFD19442

Features

- Ceramic bandpass filter
- 50Ω single-ended operation
- Surface Mounted Module Package (10mm × 8mm × 5.2mm)


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.	IFD19442	
		Rev. Date	2014-09-03	
		Rev.	AS 01	1/4

Ceramic Bandpass Filter IFD19442


Specifications

F_o = 1945MHz

	Minimum	Typical	Maximum	Unit
Center Frequency (F _o)	-	1945	-	MHz
Insertion Loss (1930 ~ 1960MHz)	-	2.5	3.0	dB
Amplitude Ripple (1930 ~ 1960MHz)	-	0.5	0.7	dB
VSWR (1930 ~ 1960MHz)	-	1.2	1.3	-
Relative Attenuation @ 1880 MHz 2120 ~ 2150 MHz	50.0 50.0	55.0 50.0	- -	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

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Matching Schematic

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




Marking Configuration

Part Number ¹⁾

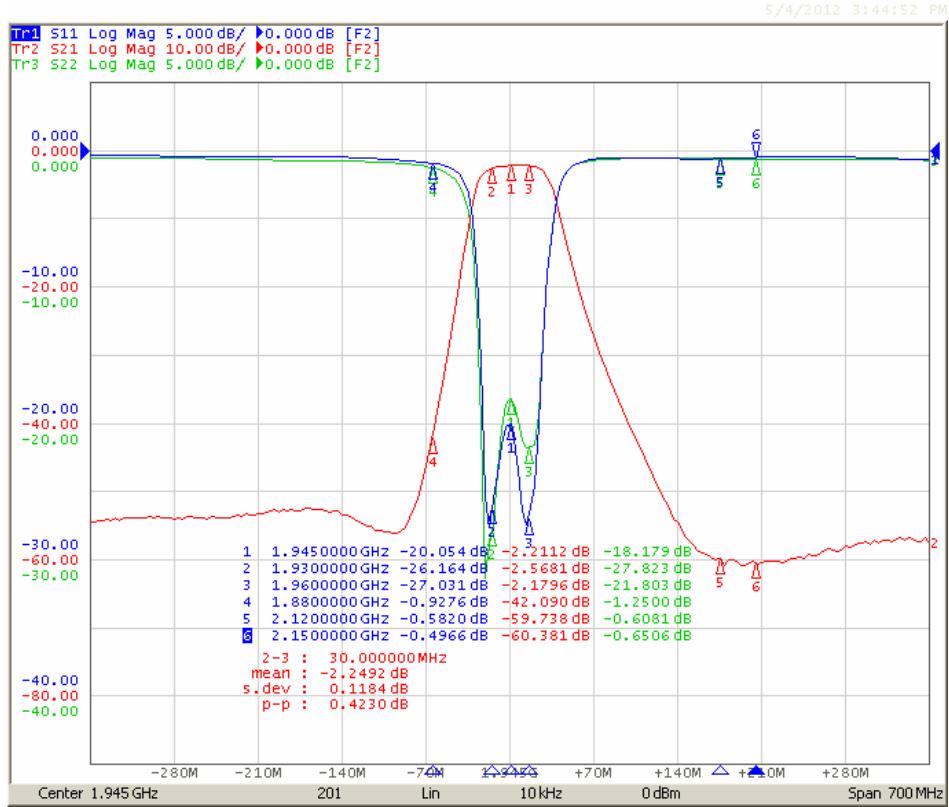
1) Part Number


* Ink or Laser Marking available

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Ceramic Bandpass Filter IFD19442

Typical Performance (at 25 °C)



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