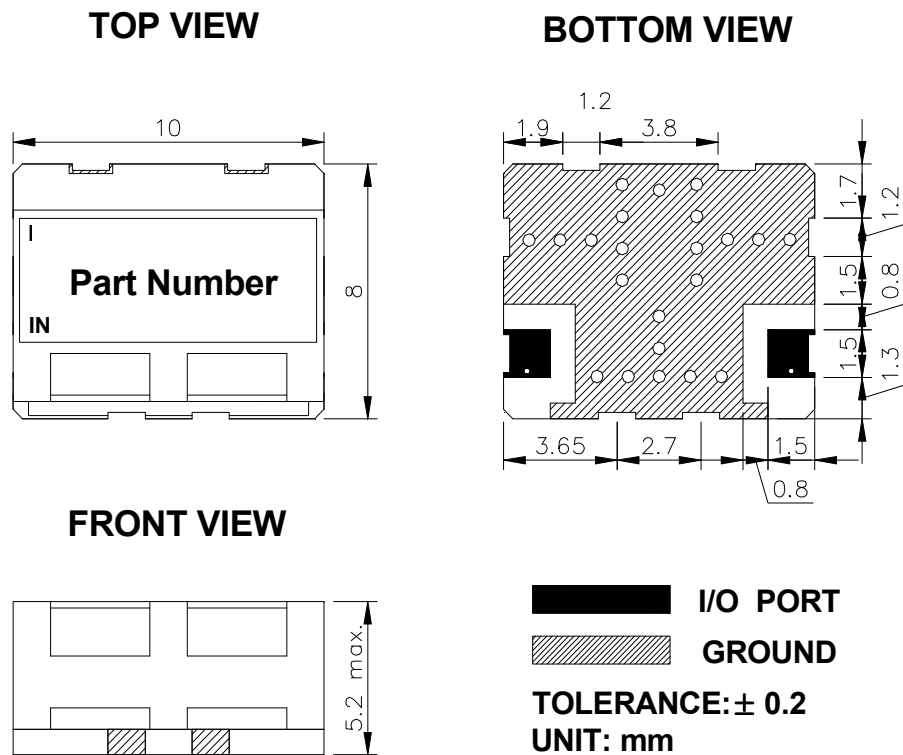


# Ceramic Bandpass Filter IFD19743

## 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	7-
Storage Temperature Range	℃	-40	25	85
Power Handling Capability	Watt	-	-	2

Electrostatics Sensitive Device (ESD)

 <b>ITF Co., Ltd.</b> 102-901, Bucheon Technopark 364, Samjeong-Dong, Ojeong-Gu, Bucheon-City, Gyeonggi-Do, Korea 421-809	Part No.	IFD19743	
	Rev. Date	2014-09-03	
	Rev.	AS 01	1/4

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## Specifications

F<sub>o</sub> = 1970MHz

	Minimum	Typical	Maximum	Unit
Center Frequency ( F <sub>o</sub> )	-	1970	-	MHz
Insertion Loss (1960 ~ 1980MHz)	-	2.5	3.0	dB
Amplitude Ripple (1960 ~ 1980MHz)	-	0.5	0.7	dB
VSWR (1960 ~ 1980MHz)	-	1.3	1.5	-
Relative Attenuation @ 2040 MHz	50.0	55.0	-	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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# Ceramic Bandpass Filter IFD19743

## Matching Schematic

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




## Marking Configuration

Part Number <sup>1)</sup>

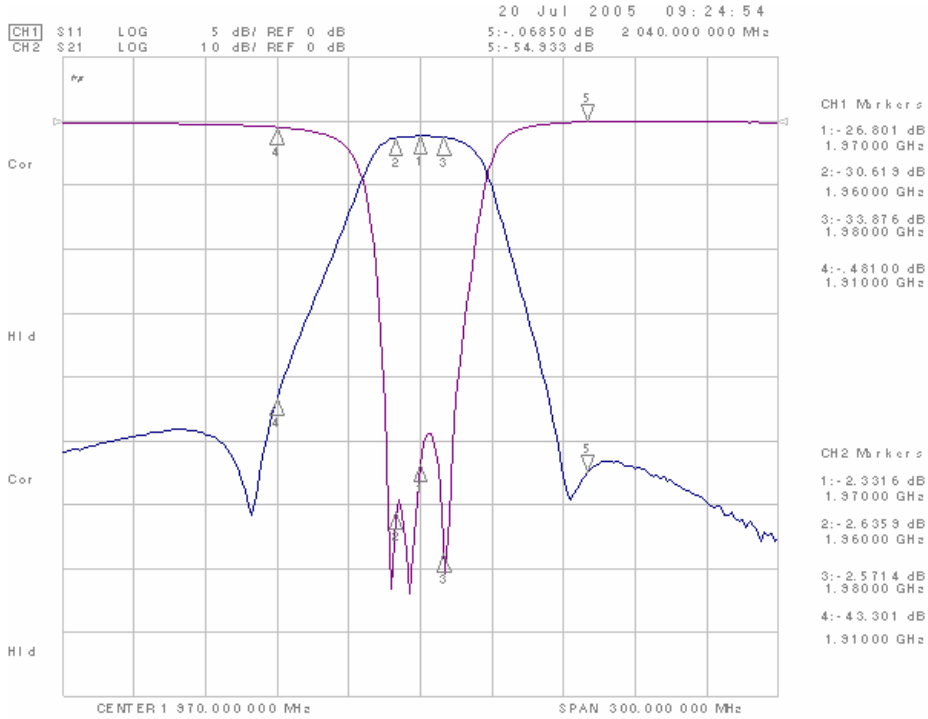
1) Part Number


\* Ink or Laser Marking available

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## Typical Performance ( at 25 °C )



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