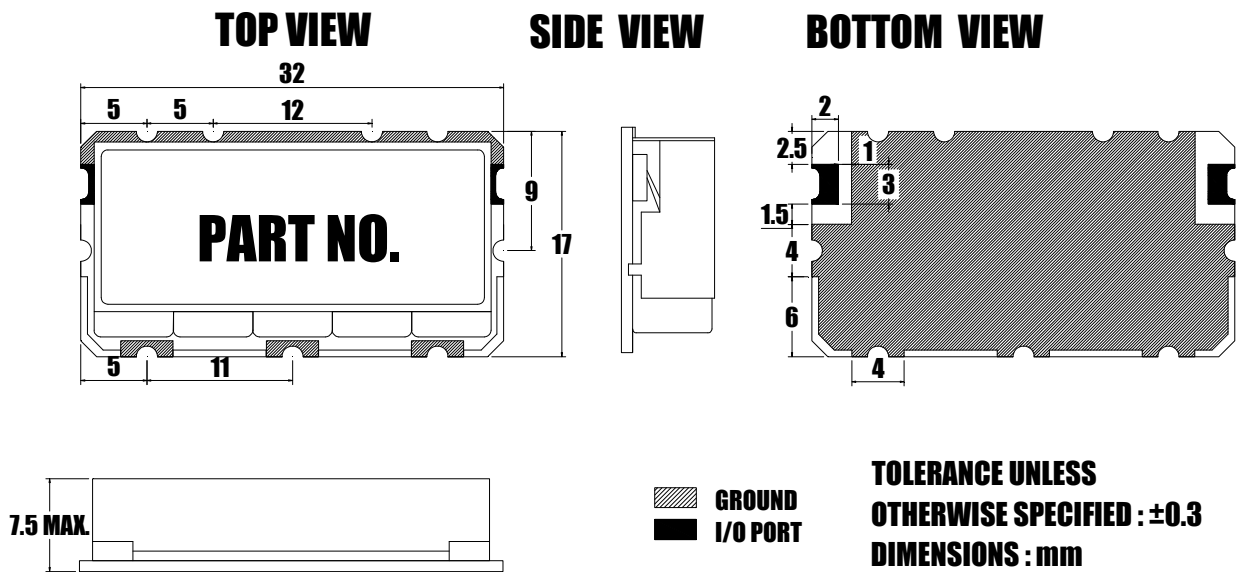


# Ceramic Bandpass Filter IFD21929

## Features

- Ceramic bandpass filter
- 50Ω single-ended operation
- Surface Mounted Module Package (32mm × 17mm × 7.5mm)


## 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	-	-	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.	IFD21929	
		Rev. Date	2014-08-28	
		Rev.	AS 01	1/4

# Ceramic Bandpass Filter IFD21929


## Specifications

F<sub>o</sub> = 2190MHz

	Minimum	Typical	Maximum	Unit
Center Frequency ( F <sub>o</sub> )	-	2190	-	MHz
Insertion Loss (2090~ 2290MHz)	-	1.8	2.0	dB
Amplitude Ripple (2090~ 2290MHz)	-	0.8	1.0	dB
Return Loss (2090~ 2290MHz)	15	20	-	dB
Relative Attenuation				
@ 1950 MHz	35.0	40.0	-	dB
@ 2000 MHz	20.0	25.0	-	
@ 2380 MHz	20.0	25.0	-	
@ 2430 MHz	28.0	32.0	-	
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 IFD21929

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## Matching Schematic

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




## Marking Configuration

Part No. <sup>1)</sup>

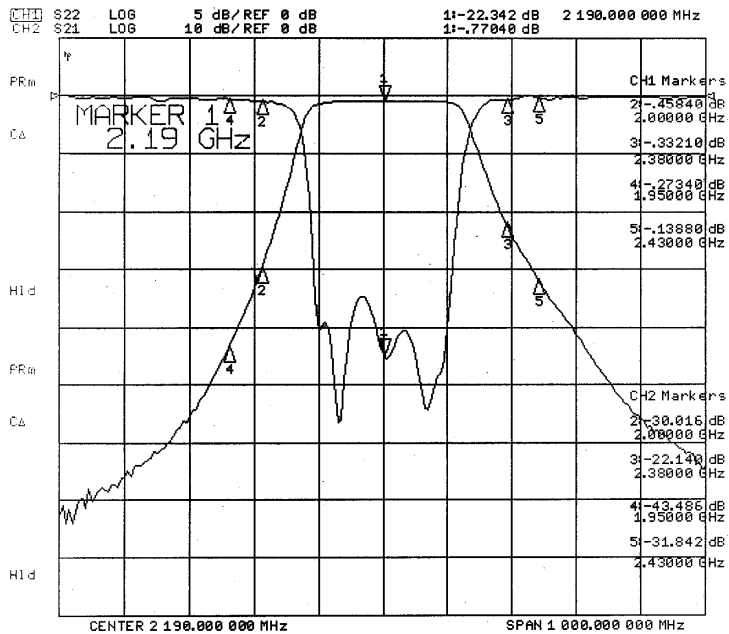
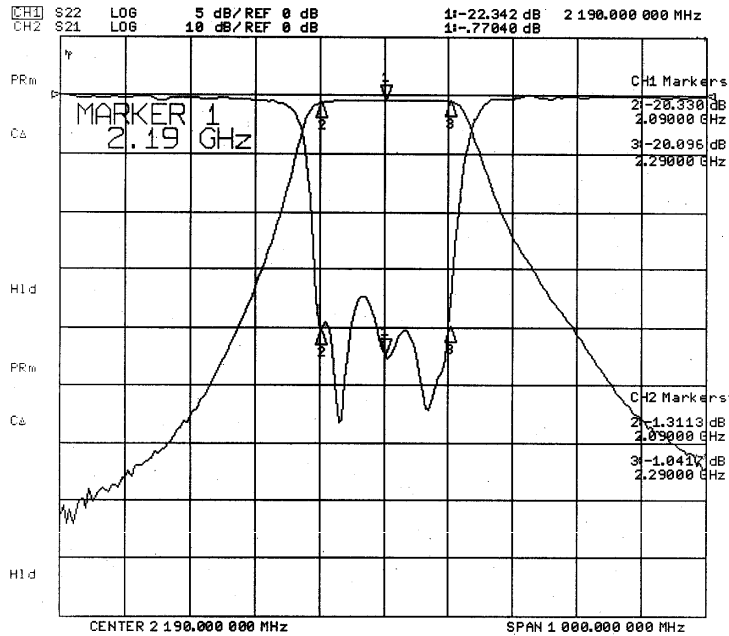
1) Part Number

\* Ink or Laser Marking available

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# Ceramic Bandpass Filter IFD21929

Typical Performance ( at 25 °C )



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