Ceramic Bandpass Filter IFD19750

Features

- Ceramic bandpass filter
- 50Ω single-ended operation
- Surface Mounted Module Package ($10.7 \mathrm{mm} \times 9.3 \mathrm{mm} \times 3.9 \mathrm{mm}$)

Package Dimensions

TOP VIEW BOTTOM VIEW

SIDE VIEW



Maximum Ratings

Parameter	Unit	Minimum	Typical	Maximum
Operating Temperature Range	${\mathbb C}$	-45	25	85
Storage Temperature Range	$^{\circ}\!\mathbb{C}$	-40	25	85
Power Handling Capability	Watt	-	-	3

Electrostatics Sensitive Device (ESD)

ITF Co., Ltd.		Part No.	IFD19750	
	102-901, Bucheon Technopark 364, Samjeong-Dong, Ojeong-Gu, Bucheon-City,	Rev. Date	2014-09-	03
Integrated Technology Future Gyounggi-Do, Korea 421-809		Rev.	AS 01	1/3

Ceramic Bandpass Filter IFD19750

Specifications

Fo = 1970MHz

	Minimum	Typical	Maximum	Unit
Center Frequency (Fo)	-	1970	-	MHz
Insertion Loss (1960 ~ 1980MHz)	-	3.0	3.5	dB
Amplitude Ripple (1960 ~ 1980MHz)	-	1.2	1.5	dB
Return Loss (1960 ~ 1980MHz)	18	20	-	dB
Relative Attenuation @ 1945 MHz	15.0	18.0	-	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

•
Integrated Technology Future

TTF Co., Lta.
102-901, Bucheon Technopark 364,
Samjeong-Dong, Ojeong-Gu, Bucheon-City,
Gyounggi-Do, Korea 421-809

Part No.	IFD19750		
Rev. Date	2014-09-03		
Rev.	AS 01	2/3	

Ceramic Bandpass Filter IFD19750

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

Integrated Technology Future

ITF Co., Ltd.
102-901, Bucheon Technopark 364,
Samjeong-Dong, Ojeong-Gu, Bucheon-City,
Gyounggi-Do, Korea 421-809

Part No.	IFD19750		
Rev. Date	2014-09-03		
Rev.	AS 01	3/3	