

Cavity Bandpass Filter IFC23516

Features

- Cavity bandpass filter
- 50Ω single-ended operation
- Surface Mounted Module Package (130mm × 39mm × 37mm)


Package Dimensions



Maximum Ratings

Parameter	Unit	Minimum	Typical	Maximum
Operating Temperature Range	℃	-20	25	70
Storage Temperature Range	℃	-40	25	85
Power Handling Capability	Watt	-	-	40

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.	IFC23516	
		Rev. Date	2014-08-26	
		Rev.	AS 01	1/4

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Specifications

F_o = 2350 MHz

	Minimum	Typical	Maximum	Unit
Center Frequency (F _o)	-	2350	-	MHz
Insertion Loss (2330 ~ 2370 MHz)	-	0.5	1.0	dB
Amplitude Ripple (2330 ~ 2370 MHz)	-	0.5	0.8	dB
Return Loss (2330 ~ 2370 MHz)	15	18	-	dB
Relative Attenuation 4600~ 4740 MHz	25	27	-	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

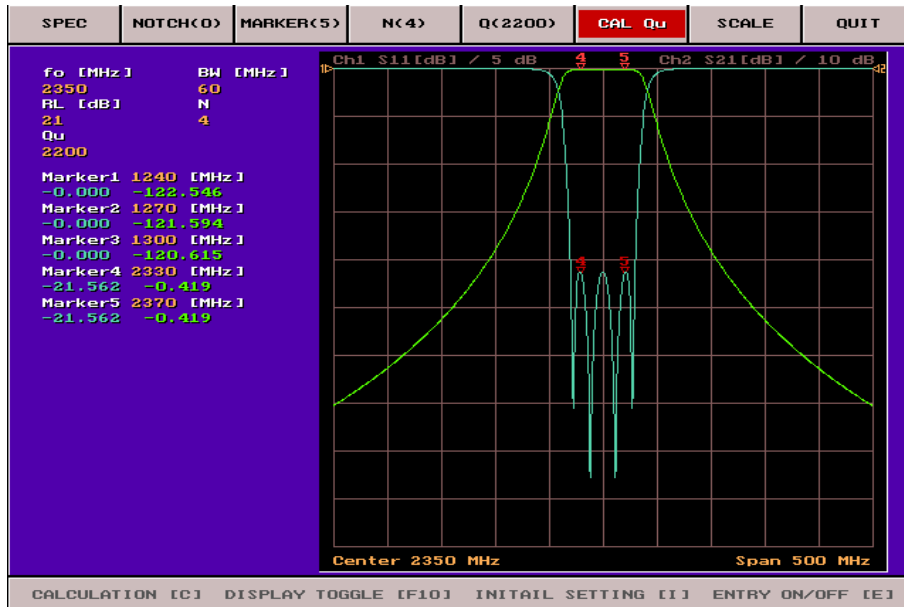
(Actual matching values may vary due to PCB layout and parasitics)




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Typical Performance (at 25 °C)



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