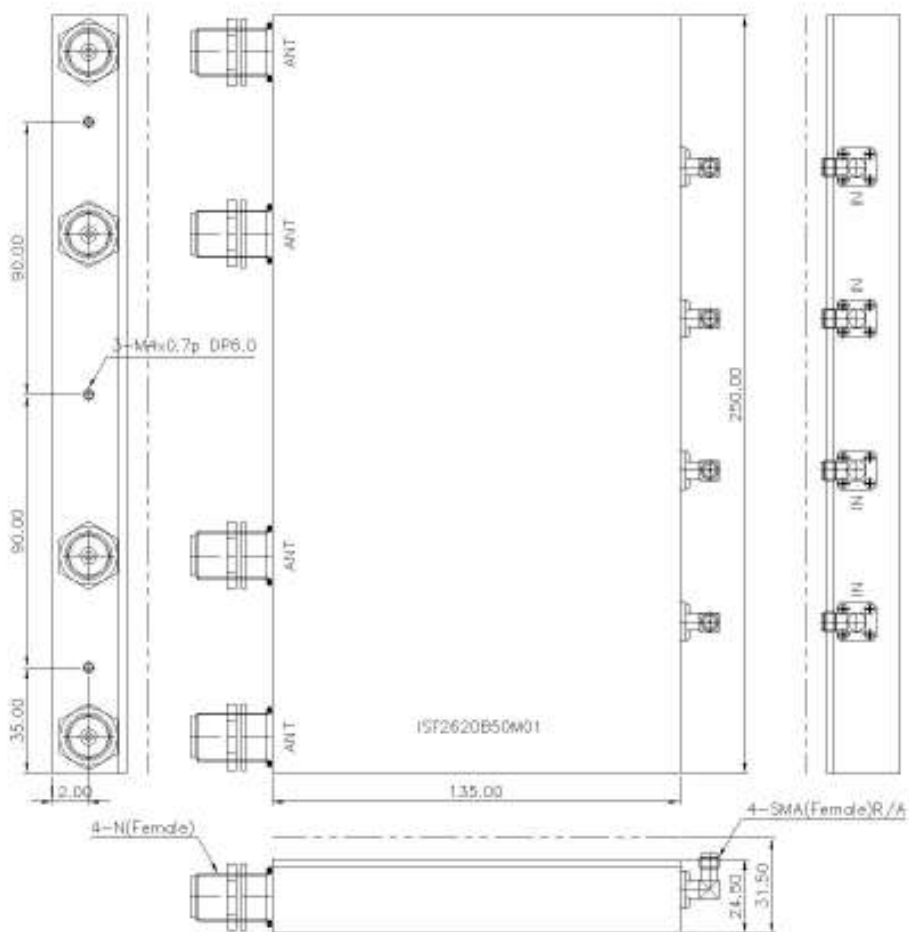


# Cavity Bandpass Filter IFC26217

## Features


- Cavity bandpass filter
- 50Ω single-ended operation
- Surface Mounted Module Package ( 135mm × 250mm × 31.5mm )

## Package Dimensions



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

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.	IFC26217	
		Rev. Date	2014-08-26	
		Rev.	AS 01	1/4

# Cavity Bandpass Filter IFC26217


## Specifications

F<sub>0</sub> = 2620 MHz

	Minimum	Typical	Maximum	Unit
Center Frequency ( F <sub>0</sub> )	-	2620	-	MHz
Insertion Loss (2595 ~ 2605 MHz)	-	1.5	1.7	dB
Insertion Loss (2605 ~ 2645 MHz)	-	0.8	1.0	
Amplitude Ripple (2595 ~ 2645 MHz)	-	1.0	1.2	dB
Return Loss (2595 ~ 2645 MHz)	15	18	-	dB
Relative Attenuation				dB
0.3 ~ 700 MHz	45	47	-	
700 ~ 2490 MHz	80	82	-	
2490 ~ 2575 MHz	55	57	-	
2575 ~ 2695 MHz	20	22	-	
2665 ~ 2695 MHz	23	25	-	
2695 ~ 5350 MHz	55	57	-	
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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# Cavity Bandpass Filter IFC26217

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## Matching Schematic

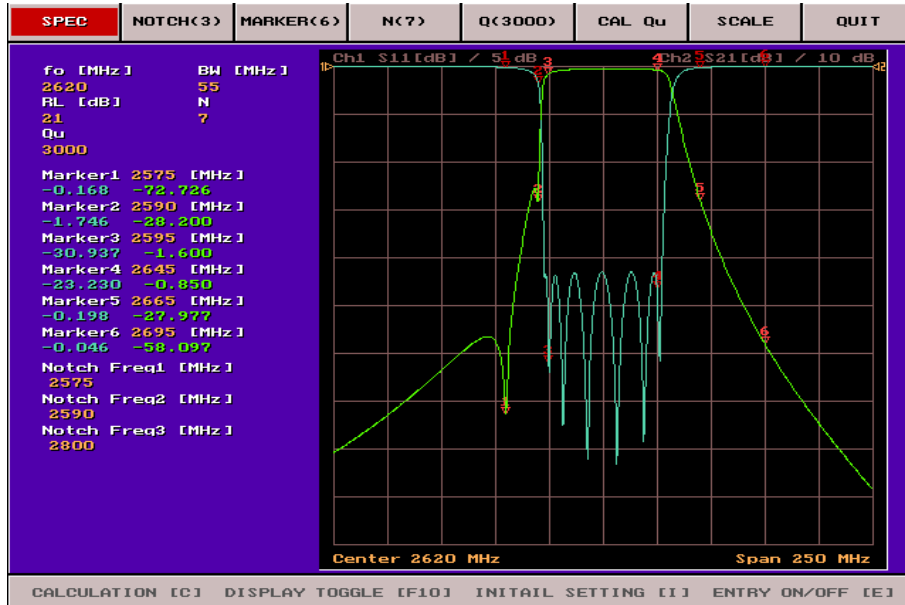
( Actual matching values may vary due to PCB layout and parasitics )




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# Cavity Bandpass Filter IFC26217

Typical Performance ( at 25°C )



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