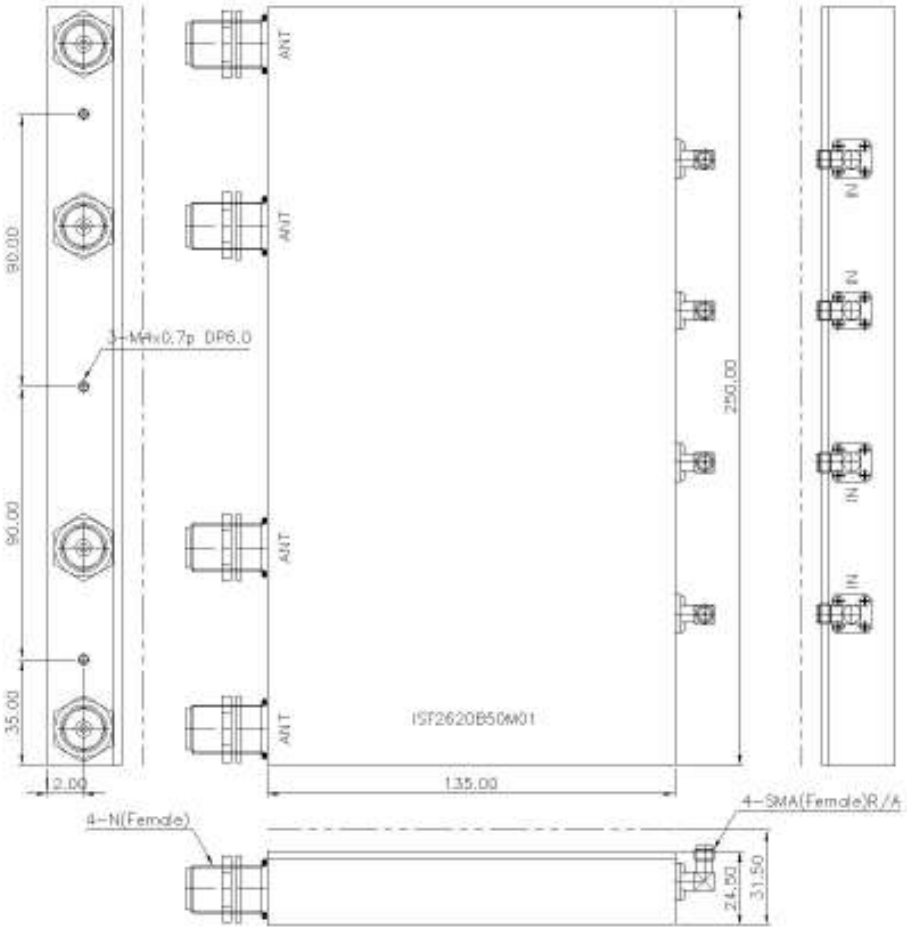
Cavity Bandpass Filter IFC26217

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**)

Cavity Bandpass Filter IFC26217

Specifications

Fo = 2620 MHz

	Minimum	Typical	Maximum	Unit
Center Frequency (Fo)	-	2620	-	MHz
Insertion Loss (2595 ~ 2605 MHz) Insertion Loss (2605 ~ 2645 MHz)	- -	1.5 0.8	1.7 1.0	dB
Amplitude Ripple (2595 ~ 2645 MHz)	-	1.0	1.2	dB
Return Loss (2595 ~ 2645 MHz)	15	18	-	dB
Relative Attenuation 0.3 ~ 700 MHz 700 ~ 2490 MHz 2490 ~ 2575 MHz 2575 ~ 2695 MHz 2665 ~ 2695 MHz 2695 ~ 5350 MHz	 45 80 55 20 23 55	 47 82 57 22 25 57	 - - - - -	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.

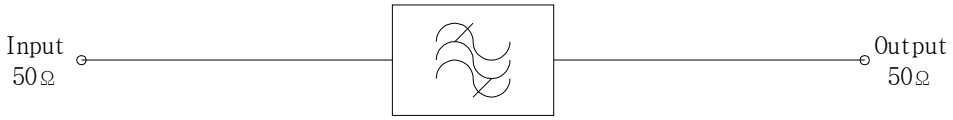
2) Electrical margin has been built into the design to account for the variations due to temperature drift and manufacturing tolerances

3) All attenuation measurements are measured relative to insertion loss

Cavity Bandpass Filter IFC26217

Matching Schematic

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



Cavity Bandpass Filter IFC26217

Typical Performance (at 25℃)

