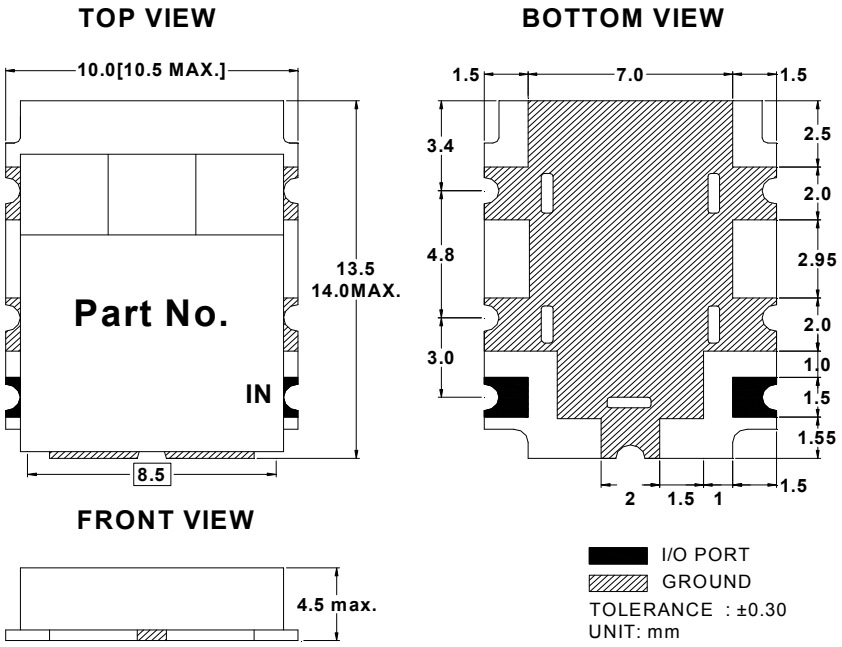
Ceramic Bandpass Filter IFD16504

Features

- Ceramic bandpass filter
- 50Ω single-ended operation
- Surface Mounted Module Package (10mm × 13.5mm × 4.5mm)

Package Dimensions



Maximum Ratings

Parameter	Unit	Minimum	Typical	Maximum
Operating Temperature Range	℃	-40	25	75
Storage Temperature Range	℃	-40	25	85
Power Handling Capability	Watt	-	-	2

Electrostatics Sensitive Device (**ESD**)

Ceramic Bandpass Filter IFD16504

Specifications

Fo = 1650.75MHz

	Minimum	Typical	Maximum	Unit
Center Frequency (Fo)	-	1650.75	-	MHz
Insertion Loss (1650.25 ~ 1651.25MHz)	-	2.0	2.5	dB
Amplitude Ripple (1650.25 ~ 1651.25MHz)	-	0.3	0.5	dB
Return Loss (1650.25 ~ 1651.25MHz)	15	18	-	dB
Relative Attenuation 0.3 ~ 1559 MHz @ 1576.5 MHz 1736 ~ 1756 MHz 2400 ~ 2500 MHz	 35.0 30.0 30.0 30.0	 40.0 35.0 35.0 35.0	 - - - -	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.

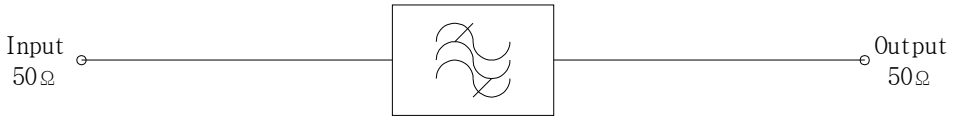
2) Electrical margin has been built into the design to account for the variations due to temperature drift and manufacturing tolerances

3) All attenuation measurements are measured relative to insertion loss

Ceramic Bandpass Filter IFD16504

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