

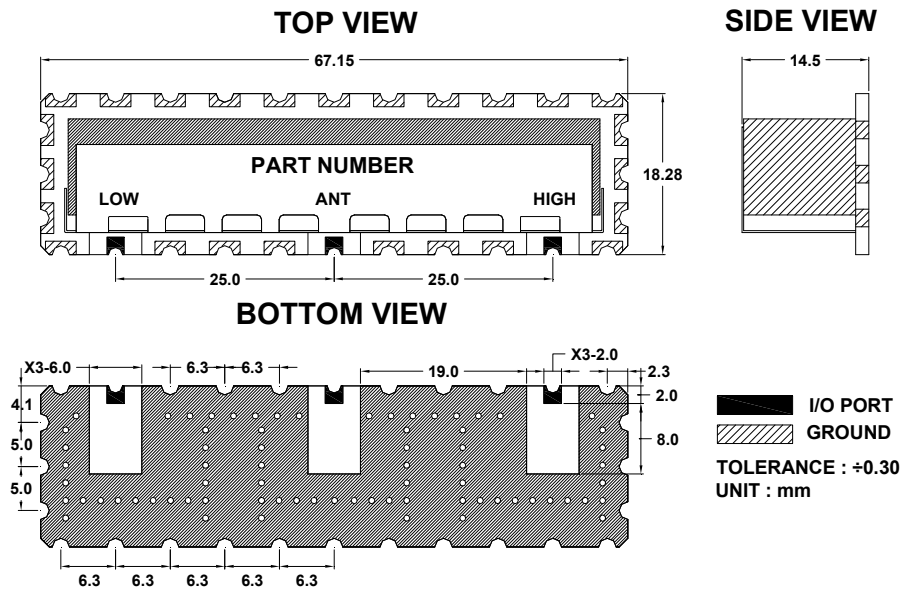
Ceramic DUPLEXER IDD08273

821.5 MHz / 866.5 MHz

Features

- Ceramic Duplexer
- Usable bandwidth 5 MHz each Rx And Tx. band
- No matching / Antenna & Transmitter & Receiver Impedance 50Ω
- Surface Mounted Module Package (67.15mm × 18.28mm × 14.5mm)

Package Dimension



Pin Configuration	
Description	Function
RX (819 ~ 824MHz)	RECEIVER
ANT	ANTENNA
TX (864 ~ 869MHz)	TRANSMITTER

Maximum Ratings

Parameter	Unit	Minimum	Typical	Maximum
Operating Temperature Range	°C	-40	25	+85
Storage Temperature Range	°C	-40	-	+85

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.	IDD08273	
		Rev. Date	2014-9-16	
		Rev.	AS01	1/2

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821.5 MHz / 866.5 MHz

Specification


F_o = 821.5 MHz / 866.5 MHz

ANT to Rx		Minimum	Typical	Maximum
Insertion loss (821.5 MHz +/-2.5 MHz)	dB	-	1.0	1.2
Amplitude Ripple (821.5 MHz +/-2.5 MHz)	dB	-	0.3	0.5
Return Loss (821.5 MHz +/-2.5 MHz)	dB	18	20	-
Input power (821.5 MHz +/-2.5 MHz)	Watt	10W > 50000 Hours, CW tone (Ta=+50°C)		
Relative Attenuation 864 ~ 869 MHz	dB	60	65	-

Tx to ANT		Minimum	Typical	Maximum
Insertion loss (866.5 MHz +/-2.5 MHz)	dB	-	1.0	1.2
Amplitude Ripple (866.5 MHz +/-2.5 MHz)	dB	-	0.3	0.5
Return Loss (866.5 MHz +/-2.5 MHz)	dB	18	20	-
Input power (866.5 MHz +/-2.5 MHz)	Watt	10W > 50000 Hours, CW tone (Ta=+50°C)		
Relative Attenuation 819 ~ 824 MHz	dB	60	65	-

Notes :

- 1) All specifications are based on the matching schematic shown below, measured by Agilent Network analyzer and full 3 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 absolute to insertion loss

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