

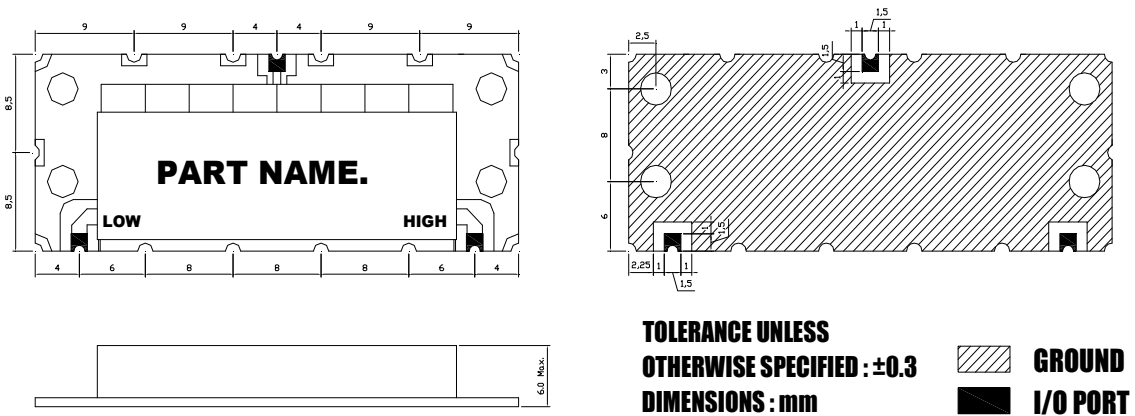
Ceramic DUPLEXER IDD08808

881.5 MHz / 1962.5 MHz

Features

- Ceramic Duplexer
- Usable bandwidth 25 MHz Rx. And 65MHz Tx. band
- No matching / Antenna & Transmitter & Receiver Impedance 50Ω
- Surface Mounted Module Package (44mm × 17mm × 6mm)

Package Dimension



Pin Configuration	
Description	Function
RX (869 ~ 894MHz)	LOW
ANT	ANTENNA
TX (1930 ~ 1995MHz)	HIGH

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.	IDD08808	
		Rev. Date	2014-8-26	
		Rev.	AS01	1/2

Ceramic DUPLEXER IDD08808

881.5 MHz / 1962.5 MHz

Specification


F_o = 881.5 MHz / 1962.5 MHz

ANT to Rx		Minimum	Typical	Maximum
Insertion loss (881.5 MHz +/-12.5 MHz)	dB	-	1.7	2.0
Amplitude Ripple (881.5 MHz +/-12.5 MHz)	dB	-	0.3	0.5
Pass band VSWR (881.5 MHz +/-12.5 MHz)	-	-	-	1.3
Input power (881.5 MHz +/-12.5 MHz)	Watt	5W > 50000 Hours, CW tone (Ta=+50°C)		
Relative Attenuation 1930 ~ 1995 MHz	dB	50	53	-

Tx to ANT		Minimum	Typical	Maximum
Insertion loss (1962.5 MHz +/-32.5 MHz)	dB	-	1.7	2.0
Amplitude Ripple (1962.5 MHz +/-32.5 MHz)	dB	-	0.3	0.5
Pass band VSWR (1962.5 MHz +/-32.5 MHz)	-	-	-	1.3
Input power (1962.5 MHz +/-32.5 MHz)	Watt	5W > 50000 Hours, CW tone (Ta=+50°C)		
Relative Attenuation 869 ~ 894 MHz	dB	50	53	- - -

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

	ITF Co., Ltd. 102-901, Bucheon Technopark 364, Samjeong-Dong, Ojeong-Gu, Bucheon-City, Gyeonggi-Do, Korea 421-809	Part No.	IDD08808	
		Rev. Date	2014-8-26	
		Rev.	AS01	2/2