

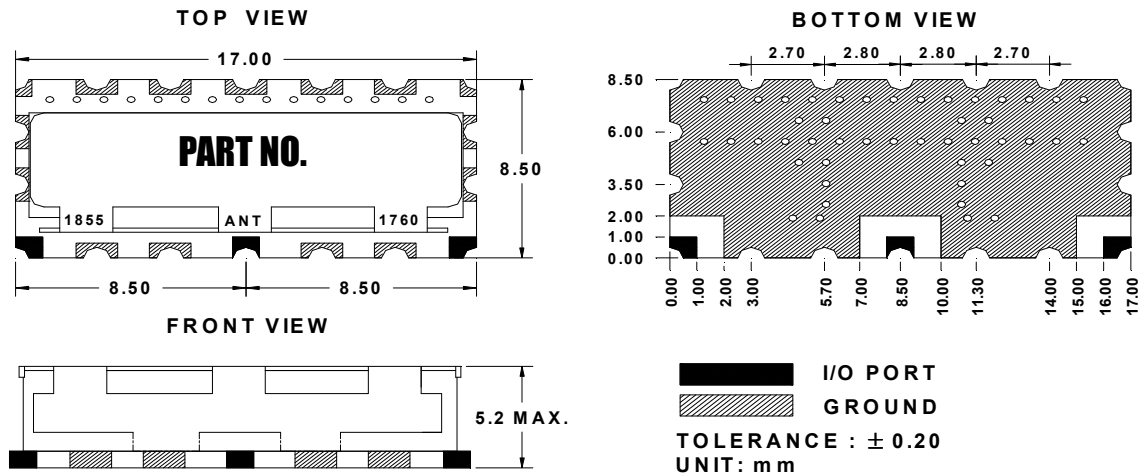
Ceramic DUPLEXER IDD18520

1855 MHz / 1760 MHz

Features

- Ceramic Duplexer
- Usable bandwidth 10 MHz each Rx. And Tx. band
- No matching / Antenna & Transmitter & Receiver Impedance 50Ω
- Surface Mounted Module Package (17mm × 8.5mm × 5.2mm)

Package Dimension




Pin Configuration	
Description	Function
RX (1755 ~ 1765MHz)	RECEIVER
ANT	ANTENNA
TX (1850 ~ 1860MHz)	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.	IDD18520	
		Rev. Date	2014-8-27	
		Rev.	AS01	1/2

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1855 MHz / 1760 MHz

Specification


Fo = 1760 MHz / 1855 MHz

ANT to Rx		Minimum	Typical	Maximum
Insertion loss (1765 MHz +/-5 MHz)	dB	-	1.8	2.0
Amplitude Ripple (1765 MHz +/-5 MHz)	dB	-	0.4	0.6
Return Loss (1765 MHz +/-5 MHz)	dB	17	20	-
Input power (1765 MHz +/-5 MHz)	Watt	3W > 50000 Hours, CW tone (Ta=+50°C)		
Relative Attenuation 1850 ~ 1860 MHz	dB	45	48	-

Tx to ANT		Minimum	Typical	Maximum
Insertion loss (1855 MHz +/-5 MHz)	dB	-	1.8	2.0
Amplitude Ripple (1855 MHz +/-5 MHz)	dB	-	0.4	0.6
Return Loss (1855 MHz +/-5 MHz)	dB	17	20	-
Input power (1855 MHz +/-5 MHz)	Watt	3W > 50000 Hours, CW tone (Ta=+50°C)		
Relative Attenuation 1755 ~ 1765 MHz	dB	45	48	-

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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