

Features

- Cavity Duplexer for LTE Band 40 and WiFi2G.
- Very compact size and low weight. (100 x 100 x 32 mm)
- 1.9 dB typical Insertion loss @ room temp.
- 65 dB typical TX and RX Isolation.



Electrical Specifications

Duplexer DL Path (RX → ANT)

PARAMETER	SPECIFICATION	COMMENT
Frequency Range	2,402 MHz ~ 2,494 MHz	BW = 92 MHz
Insertion Loss	2.5 dB Max.	Over whole temp. range
Pass Band Ripple	1.7 dB Max.	
Return Loss	16.0 dB Min.	
Isolation	50.0 dB Min.	@ 2,300 MHz ~ 2,392 MHz
Max Power	100 Watts	CW
Impedance	50 Ω	

Duplexer UL Path (ANT → TX)

PARAMETER	SPECIFICATION	COMMENT
Frequency Range	2,300 MHz ~ 2,392 MHz	BW = 92 MHz
Insertion Loss	2.5 dB Max.	Over whole temp. range
Pass Band Ripple	1.7 dB Max.	
Return Loss	16.0 dB Min.	
Isolation	50.0 dB Min.	@ 2,402 MHz ~ 2,494 MHz
Impedance	50 Ω	

Environmental

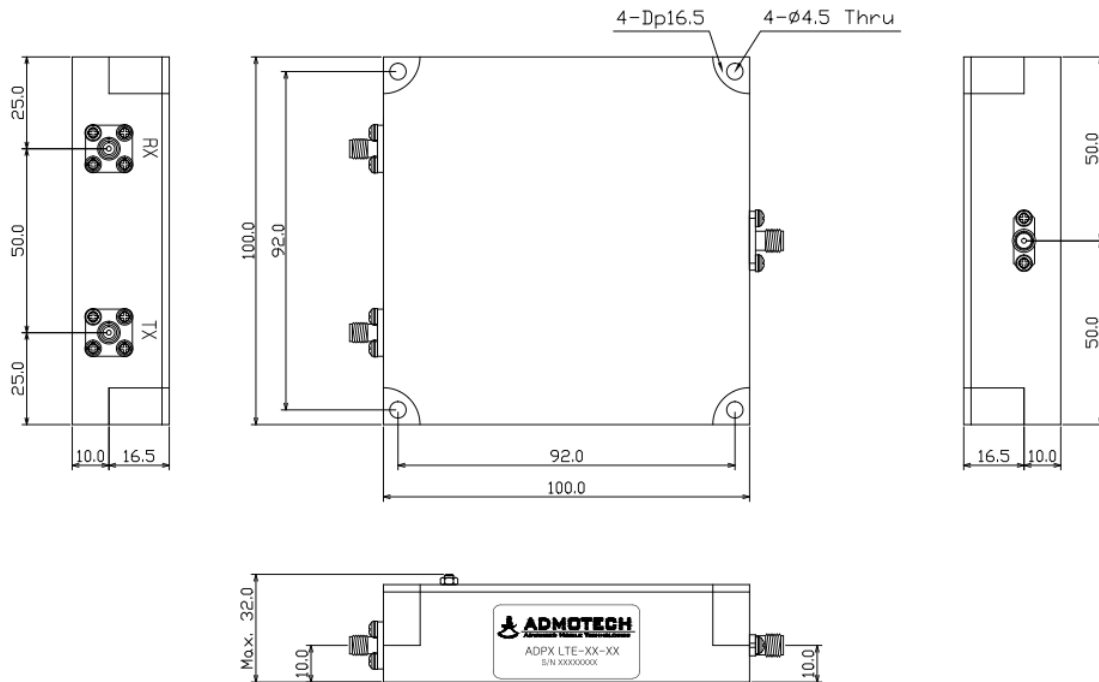
Operating temperature range -20 to +70 °C

Mechanical

Dimensions¹⁾ 100 x 100 x 32 mm

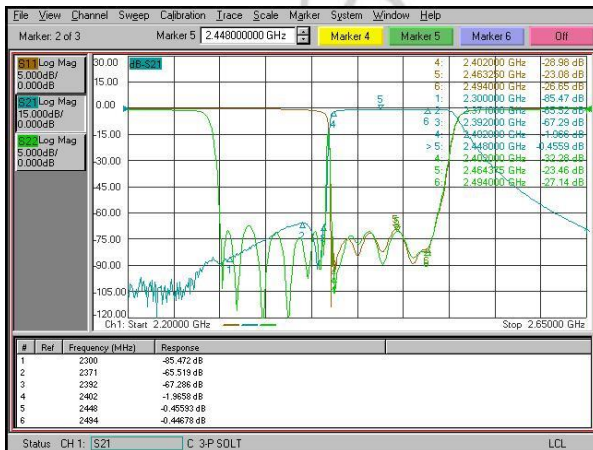
1) Excluding connectors, and mounting bracket extension

Outline Drawing

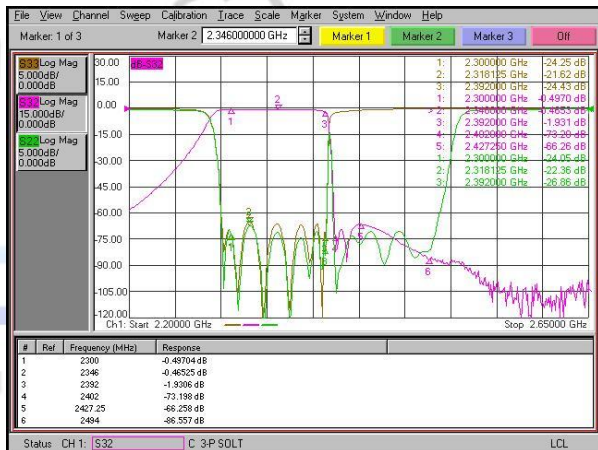


Units : mm, Tolerance : +/- 0.2 mm

Typical Response



Duplexer RX path Transmission



Duplexer TX path Transmission