

Features

- Cavity Duplexer
- Very compact size and low weight. (78.0 x 82.0 x 19.0 mm)
- 0.5 dB typical Insertion loss @ room temp.
- 65 dB typical High and Low Rejection.



Electrical Specifications

Duplexer High Path (High → ANT)

PARAMETER	SPECIFICATION	COMMENT
Frequency Range	4,750 MHz ~ 5,000 MHz	BW = 250 MHz
Insertion Loss	0.8 dB Max.	
Pass Band Ripple	0.5 dB Max.	
Return Loss	18.0 dB Min.	
Rejection	60.0 dB Min.	@ 4,400 MHz ~ 4,650 MHz
Max Power	20 Watts	CW
Impedance	50 Ω	

Duplexer Low Path (ANT → Low)

PARAMETER	SPECIFICATION	COMMENT
Frequency Range	4,400 MHz ~ 4,650 MHz	BW = 250 MHz
Insertion Loss	0.8 dB Max.	
Pass Band Ripple	0.5 dB Max.	
Return Loss	18.0 dB Min.	
Rejection	60.0 dB Min.	@ 4,750 MHz ~ 5,000 MHz
Impedance	50 Ω	

Environmental

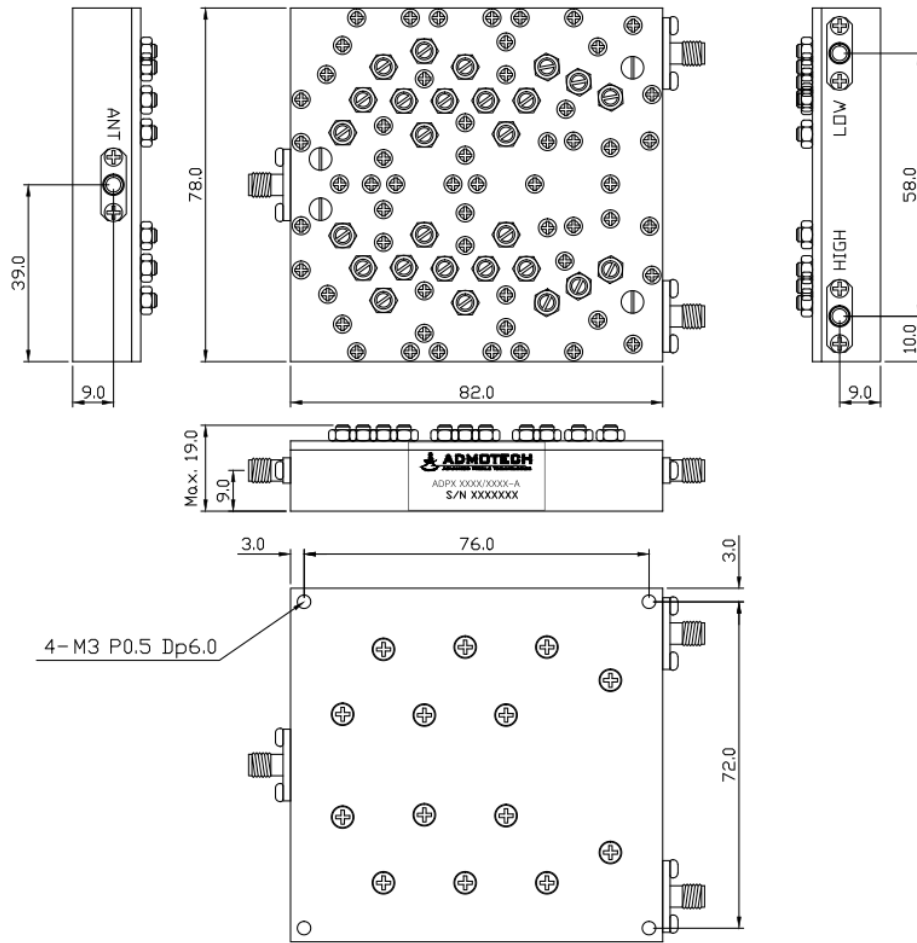
Operating temperature range -30 to +70 °C

Mechanical

Dimensions¹⁾ 78.0 x 82.0 x 19.0 mm

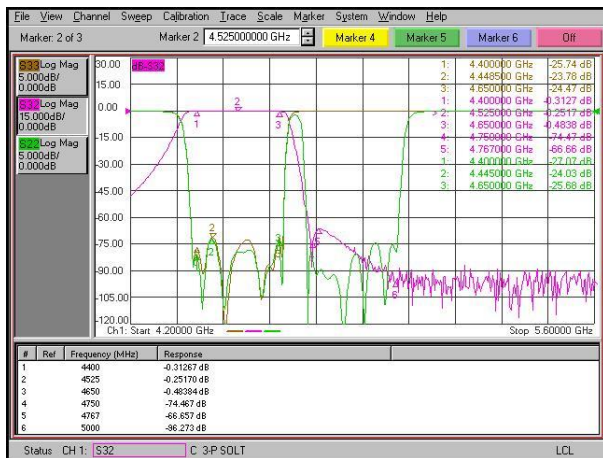
1) Exclude connectors

Outline Drawing

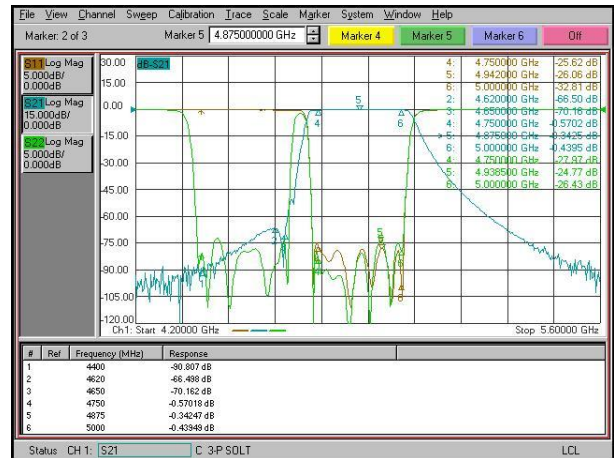


Units : mm, Tolerance : +/- 0.2 mm

Typical Response



Duplexer Low path Transmission



Duplexer High path Transmission