

### Features

- Cavity Duplexer
- Very compact size and low weight. (75.0 x 90.0 x 35.0 mm)
- 0.3 dB typical Insertion loss @ room temp.
- 86 dB typical Isolation.



### Electrical Specifications

#### Duplexer High Path (MHB → ANT)

PARAMETER	SPECIFICATION	COMMENT
Frequency Range	1,710 MHz ~ 2,010 MHz	BW = 300 MHz
Insertion Loss	0.5 dB Max.	
Pass Band Ripple	0.3 dB Max.	
Return Loss	18.0 dB Min.	
Isolation	80.0 dB Min.	@ 1,427 MHz ~ 1,517 MHz
Max Power	100 Watts	CW
Impedance	50 Ω	

#### Duplexer Low Path (ANT → MLB)

PARAMETER	SPECIFICATION	COMMENT
Frequency Range	1,427 MHz ~ 1,517 MHz	BW = 300 MHz
Insertion Loss	0.5 dB Max.	
Pass Band Ripple	0.3 dB Max.	
Return Loss	18.0 dB Min.	
Isolation	80.0 dB Min.	@ 1,710 MHz ~ 2,010 MHz
Impedance	50 Ω	

### Environmental

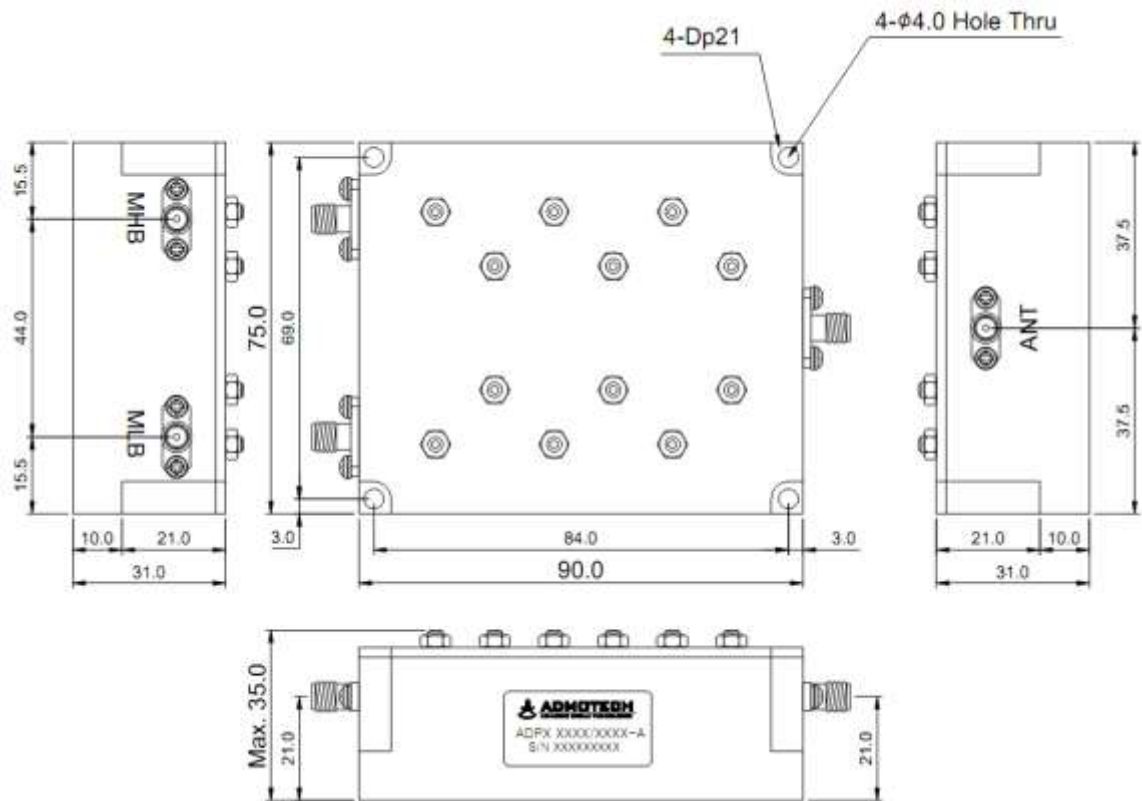
Operating temperature range      -20 to +70 °C

### Mechanical

Dimensions<sup>1)</sup>                              75.0 x 90.0 x 35.0 mm

1) Exclude connectors

## Outline Drawing



Units : mm, Tolerance : +/- 0.2 mm

## Typical Response



Duplexer MLB path Transmission



Duplexer MHB path Transmission