

Features

- Cavity Duplexer for LTE Band 2.
- Very compact size and low weight. (100 x 100 x 32 mm)
- 1.3 dB typical Insertion loss @ room temp.
- 90 dB typical DL to UL Isolation.



Electrical Specifications

Duplexer DL Path (DL → ANT)

| PARAMETER | SPECIFICATION | COMMENT |
|------------------|-----------------------|-------------------------|
| Frequency Range | 1,930 MHz ~ 1,990 MHz | BW = 60 MHz |
| Insertion Loss | 2.0 dB Max. | Over whole temp. range |
| Pass Band Ripple | 1.3 dB Max. | |
| Return Loss | 18.0 dB Min. | |
| Isolation | 80.0 dB Min. | @ 1,850 MHz ~ 1,910 MHz |
| Max Power | 100 Watts | CW |
| Impedance | 50 Ω | |

Duplexer UL Path (ANT → UL)

| PARAMETER | SPECIFICATION | COMMENT |
|------------------|-----------------------|-------------------------|
| Frequency Range | 1,850 MHz ~ 1,910 MHz | BW = 60 MHz |
| Insertion Loss | 2.0 dB Max. | Over whole temp. range |
| Pass Band Ripple | 1.3 dB Max. | |
| Return Loss | 18.0 dB Min. | |
| Isolation | 80.0 dB Min. | @ 1,930 MHz ~ 1,990 MHz |
| Impedance | 50 Ω | |

Environmental

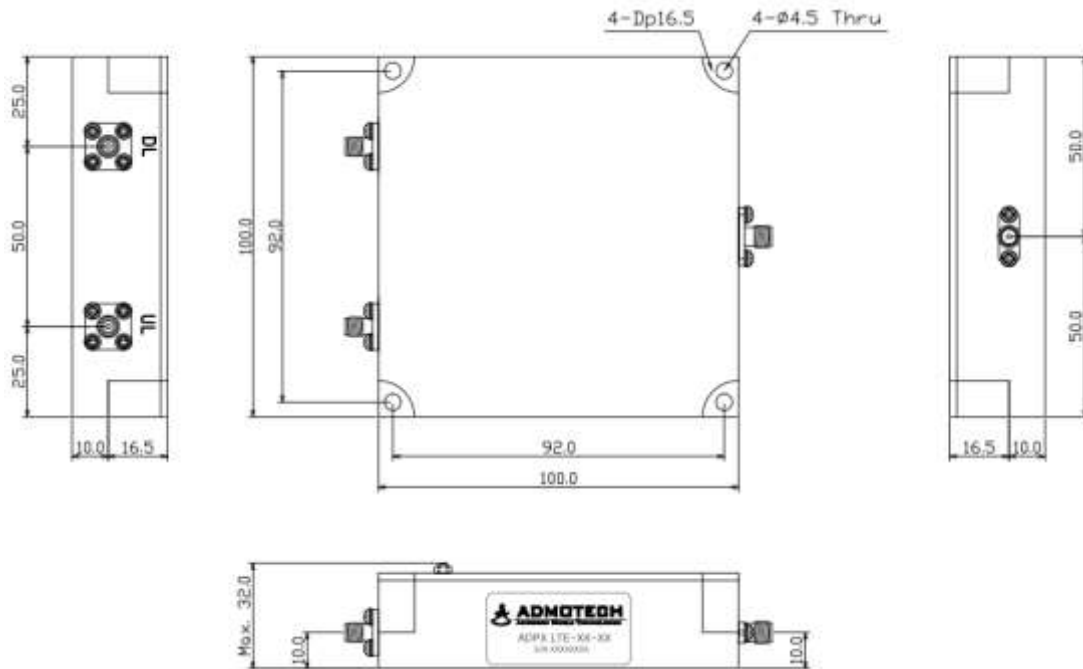
Operating temperature range -20 to +70 °C

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 DL path Transmission



Duplexer UL path Transmission