



Monolithic Block Duplexer Specification

3.6 GHz R4 Duplexer Spec for Band-E

PART DNM3587-3687-25A1

DATE: 7/21/04

1. Properties:

| No. | Characteristics | Unit | Tx → ANT | ANT → Rx |
|-----|------------------------------|------|--|----------------------|
| 1 | Frequency of operation | MHz | 3675 - 3700 | 3575 - 3600 |
| | Center Frequency (TxFc/RxFc) | MHz | 3687.5 (TxFc) | 3587.5 (RxFc) |
| 2 | Bandwidth | MHz | 25 | 25 |
| 3 | Insertion Loss in BW (max.) | dB | 3.0 | 3.0 |
| 4 | Ripple in BW (max.) | dB | 0.5 | 0.5 |
| 5 | V.S.W.R in BW (max.) | dB | 1.5 | 1.5 |
| 6 | Attenuation (min.) | dB | 35 @ DC ~ 2500 MHz | 35 @ DC ~ 2500 MHz |
| | | | 15 @ 3605 MHz | 35 @ 3402 MHz |
| | | | 40 @ 3359 MHz | 40 @ 2883 MHz |
| | | | 45 @ 3043 MHz | |
| | | | 50 @ 3575 - 3600 MHz | 50 @ 3675 - 3700 MHz |
| | | | 35 @ 3953 - 4953 MHz | 35 @ 4000 - 5000 MHz |
| 7 | Tx - Rx Isolation (min.) | dB | 50 (3575 - 3600 MHz) - (3675 - 3700 MHz) | |
| 8 | In/Out Impedance | Ohm | 50 | |
| 9 | Operation Temperature | C | -40 to +70 | |

2. Dimension:



