



# Monolithic Block Duplexer Specification

## 3.6 GHz R4 Duplexer Spec for Band-E

PART NO.: DNM3587-3687-25A2

DATE: 8/31/04

**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	0.7	0.7
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:**



