



# Monolithic Block Duplexer Specification

## 3.5 GHz R4 Duplexer Spec for Band-A'

PART DNM3318-3394-12A1

DATE: 7/13/2004

**1. Properties:**

No.	Characteristics	Unit	Tx → ANT	ANT → Rx
1	Frequency of operation	MHz	3312 - 3324	3388 - 3400
	Center Frequency (TxFc/RxFc)	MHz	3318 (TxFc)	3394 (RxFc)
2	Bandwidth	MHz	12	12
3	Insertion Loss in BW (max.)	dB	4.0	4.0
4	Ripple in BW (max.)	dB	1.0	1.0
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 @ 3242 MHz	35 @ 3215 MHz
			40 @ 2996 MHz	30 @ 2696 MHz
			45 @ 2680 MHz	
			50 @ 3388 - 3400 MHz	50 @ 3312 - 3324 MHz
			35 @ 4000 - 5000 MHz	35 @ 4000 - 5000 MHz
			5 @ 6636 MHz	
7	Tx - Rx Isolation (min.)	dB	50 (3312 - 3324 MHz) - (3388 - 3400 MHz)	
8	In/Out Impedance	Ohm	50	
9	Operation Temperature	C	-40 to +70	

**2. Dimension:**

