

Monolithic Block Duplexer Preliminary Specification

3.5GHz RU Duplexer (A-Band)

Part No: DNM3421-3521-42A1
 Date: 4/15/2002

1. Properties:

No.	Characteristics	Unit	Tx → ANT	ANT → Rx
1	Center Frequency (F ₀)	MHz	3420.5	3520.5
2	Bandwidth	MHz	F ₀ +/- 21	F ₀ +/- 21
3	Insertion Loss in BW (max.)	dB	3.0	3.0
4	Ripple in BW (max.)	dB	1.0	1.0
5	V.S.W.R in BW (max.)	dB	1.5	1.5
6	Transmission Phase Angle	deg	TBD	N/A
7	Attenuation (Absolute Value)	dB	35 @ <2500 MHz	35 @ <2500 MHz
			35 @ 2600 - 2640 MHz	35 @ 2680 - 2720 MHz
			30 @ 3000 - 3041 MHz	30 @ 3295 - 3336 MHz
			35 @ 3499 - 3541 MHz	35 @ 3399 - 3441 MHz
			TBD @ >4000 MHz	TBD @ >4000 MHz
8	Tx - Rx Isolation (min.)	dB	45	
9	In/Out Impedance	Ohm	50	50
10	Operation Temperature	C	-45 to +70	

2. Dimension:

