

015272



## Duplexer Specifications

(Internal Use Only)

 Preliminary Specifications

 Final Specifications

Model Number: MR356(c)\*(b)  
(See Notes 1 & 2)

Iss:	Init:	Revision	Date:
7	FP	10204	17-Apr-01
8	JE	10714	25-Jun-02
9		11337	26-Jan-04

Electrical	Units	Value	Tolerance	Notes	Support Document
Tx Frequency range	MHz	350-512		1	
Rx Frequency range	MHz	350-512		1	
Frequency Separation	MHz	5min. / 10 max.			
Insertion Loss (max)					
Tx to ANT	dB	1.4	----		
Rx to ANT	dB	1.4	----		
Insertion Loss (typical)					
Tx to ANT	dB	N/A	----		
Rx to ANT	dB	N/A	----		
Isolation					
Rx isolation at Tx	dB	75	Minimum		
Tx noise suppression at Rx	dB	75	Minimum		
Maximum Input VSWR		1.5:1	----		
Impedance	$\Omega$	50			
Maximum Average Power Input	W	50	----		
Maximum Peak Power Input	W	N/A	----		
Cavity Electrical Length	$\lambda$ s	N/A	----		
Number of Cavities					
Tx side		3	----		
Rx side		3	----		
Connectors		See Note		2	
Temperature Range	$^{\circ}$ C	-30 TO +60	----		

<b>Mechanical</b>	<b>Units</b>	<b>Value</b>	<b>Tolerance</b>	<b>Notes</b>	<b>Support Document</b>
Height	in (mm)	1.25 (31.75)	Typical	3	
Width	in (mm)	6.25 (158.75)	Typical	3	
Depth	in (mm)	8.75 (222.25)	Typical	3	
Overall Dimensions with tuning rod fully extended (max)					
Height	in (mm)	N/A	----		
Width	in (mm)	N/A	----		
Depth	in (mm)	N/A	----		
Net Weight	lbs (kgs)	2.5 (01.14)	Typical		
Individual Cavity Dimensions					
Diameter or Height	in (mm)	N/A	----		
Width	in (mm)	N/A	----		
Depth	in (mm)	N/A	----		
Outer Conductor Material	Aluminum Cavity				
Inner Conductor Material	Copper				
Tuning Rod Material	Zinc Plated Brass Rod				
End Plates Material	Zinc Plated Steel				
Coupling Loops Material	Tinned Copper Wire				
Finish	Chemical Conversion Coating				
Mounting Information	Mounting Holes Provided				
Shipping Weight	lbs (kgs)	3 (01.36)			
Shipping dimensions (max)	ft, inches	12" x 8" x 2.5"			

Notes: 1. The frequency band options \*(b) in MR356(c)\*(b) are as follows:

- \*1 = 406-440 MHz.
- \*2 = 440-480 MHz.
- \*3 = 480-512 MHz.
- \*4 = 380-400 MHz
- \*5 = 350-380 MHz

2. The connector options (c) in MR356(c)\*(b) are as follows:

- B = BNC Female
- N = N Female
- T = TNC Female

3. Refer to 005712 for Outline and Installation Dimensions.