

015271



Duplexer Specifications

(Internal Use Only)

 Preliminary Specifications

 Final Specifications

 Model Number: MR354(X)*(X)
 see notes #1 & #2

Iss:	Init:	Revision	Date:
3	FP	10157	26-Feb-01

Electrical	Units	Value	Tolerance	Notes	Support Document
Tx Frequency range	MHz	406 - 512		1	
Rx Frequency range	MHz	406 - 512		1	
Frequency Separation	MHz	5 min. / 10 max.			
Insertion Loss (max)					
Tx to ANT	dB	1	----		
Rx to ANT	dB	1	----		
Insertion Loss (typical)					
Tx to ANT	dB	N/A	----		
Rx to ANT	dB	N/A	----		
Isolation					
Rx isolation at Tx	dB	50	MIN.		
Tx noise suppression at Rx	dB	50	MIN.		
Maximum Input VSWR		1.5 TO 1.0	----		
Impedance	Ω	50			
Maximum Average Power Input	W	50	----		
Maximum Peak Power Input	W	N/A	----		
Cavity Electrical Length	λ s	N/A	----		
Number of Cavities					
Tx side		2	----		
Rx side		2	----		
Connectors		SEE NOTE #2			
Temperature Range	$^{\circ}$ C	-30 TO +60	----		

	Units	Value	Tolerance	Notes	Support
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Mechanical				Document	
Height	in (mm)	1.25 (31.75)	-----	3	
Width	in (mm)	4.1 (104.14)	-----	3	
Depth	in (mm)	8.75 (222.25)	-----	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)	1.8 (00.82)	-----		
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 C.R.S.				
Coupling Loops Material	TINNED COPPER WIRE				
Finish	CHEMICAL CONVERSION COATING				
Mounting Information	MOUNTING HOLES PROVIDED				
Shipping Weight	lbs (kgs)	2.2 (01.00)	-----		
Shipping dimensions (max)	ft, inches	9" X 6" X 2.5"			

- Notes:
- Duplexers available in the following frequency bands : *1 = 406-440 MHz., *2 = 440- 480MHz., *3 = 480 - 512 MHz.
 - MR354B (BNC - FEMALE CONNECTORS)
MR354N (N - FEMALE CONNECTORS)
 - REFER TO 005711 FOR OUTLINE & INSTALLATION DIMENSIONS.