



The VHF Duplexer operational frequency range is 135 to 172 MHz at band center. It is designed to fit onto a 1U Panel.

T/R spacing is 5 MHz minimum.

Insertion Loss is 3.6 dB maximum

Isolation is -70 dB minimum

Maximum Power is 20w

Size is 44mm x 293mm x 407mm

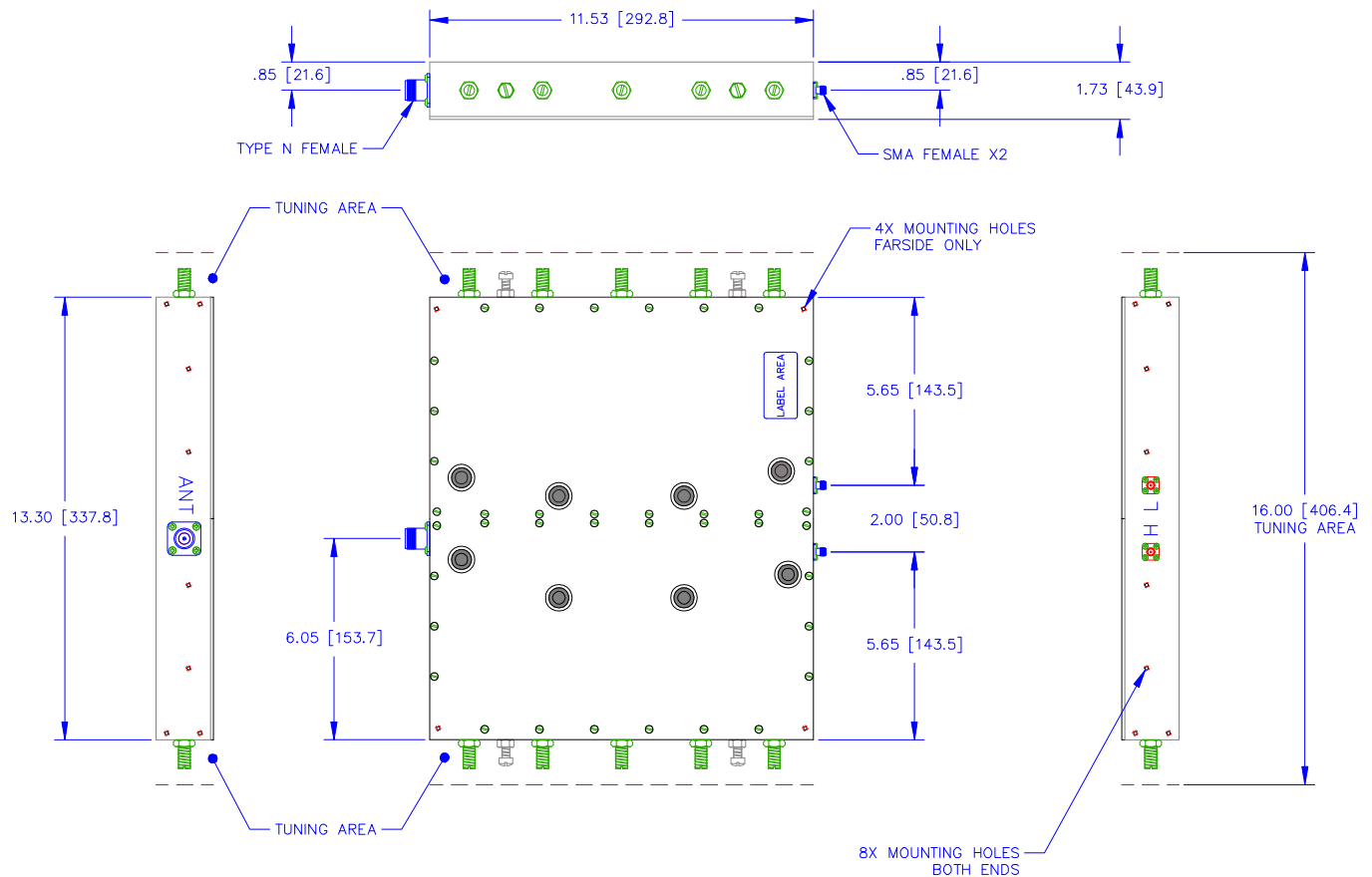
Passband is 500 KHz minimum

Return Loss is 20 dB minimum

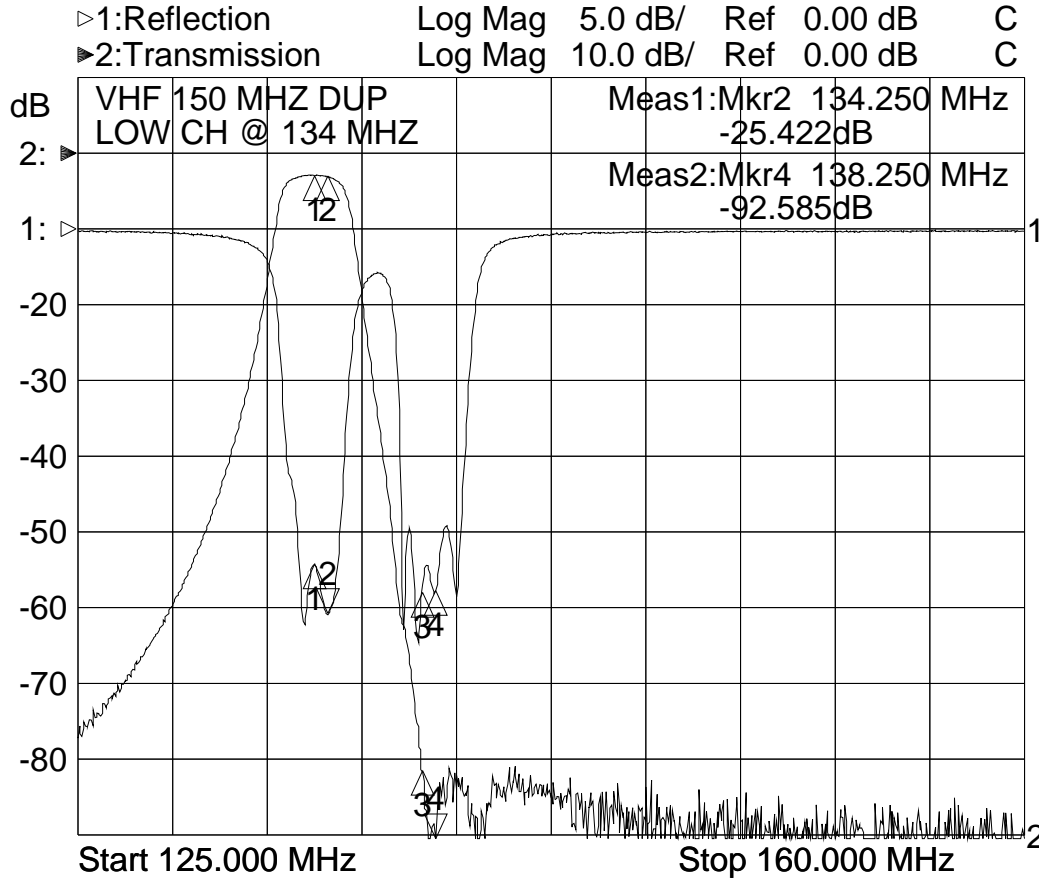
Rejection at Fc +/- 20 MHz to 1 GHz is 60 dB minimum

Operating temperature is -30°C to +70°C

Mounting on front, back and bottom

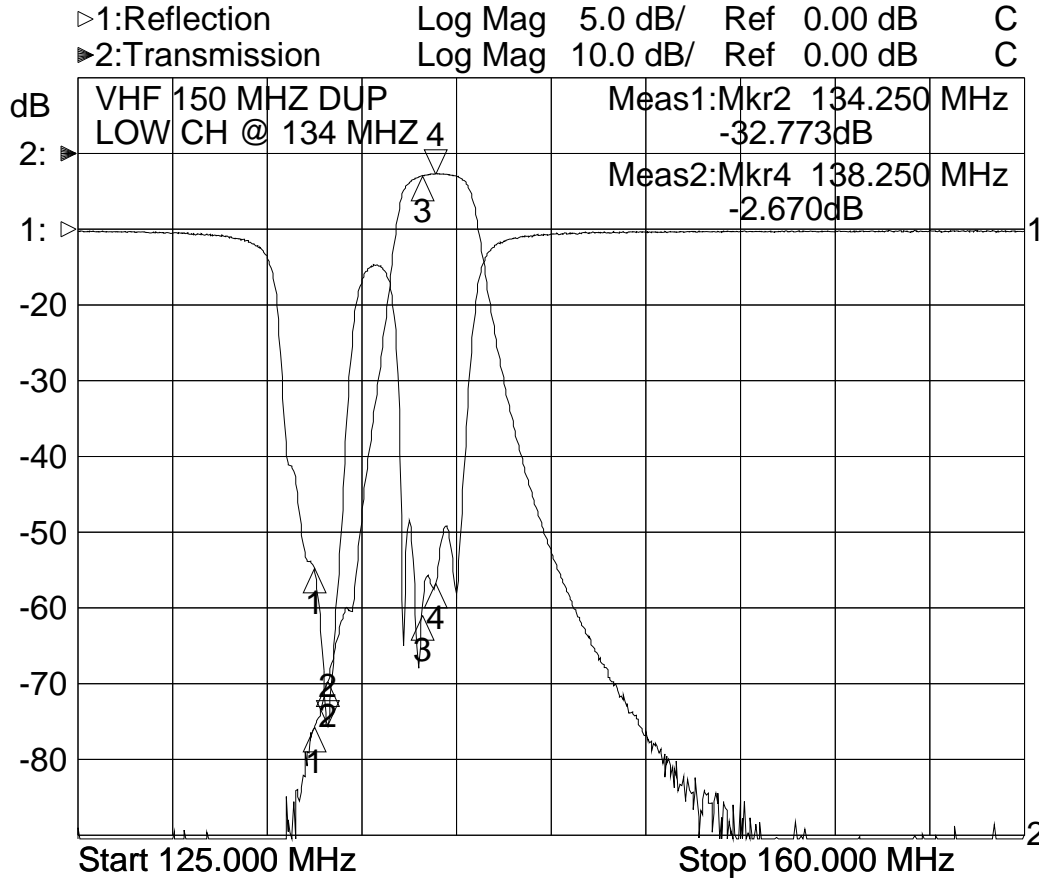


VHF Duplexer Data
+24°C, low channel, tuned to lowest frequency



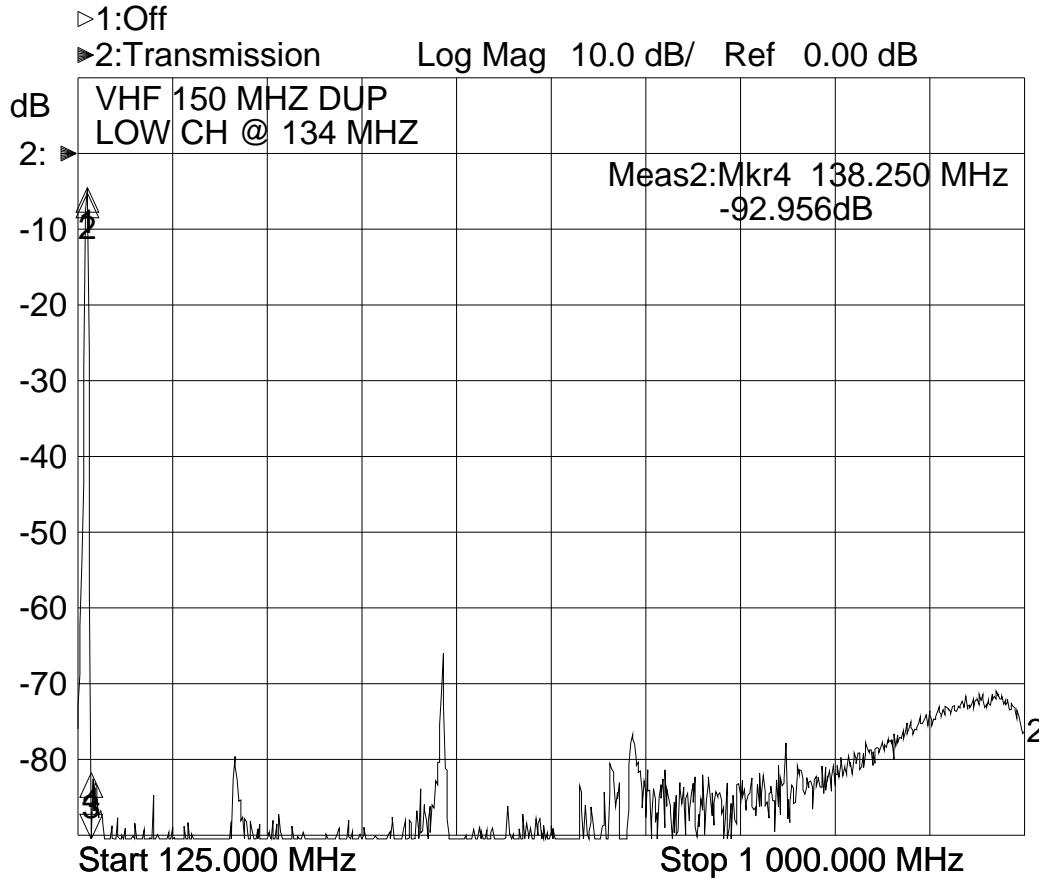
1:Mkr (MHz)	dB	2:Mkr (MHz)	dB
1: 133.7500	-22.125	1: 133.7500	-2.955
2> 134.2500	-25.422	2: 134.2500	-3.117
3: 137.7500	-23.990	3: 137.7500	-81.541
4: 138.2500	-23.895	4> 138.2500	-92.585

VHF Duplexer Data
+24°C, High channel, tuned to lowest frequency



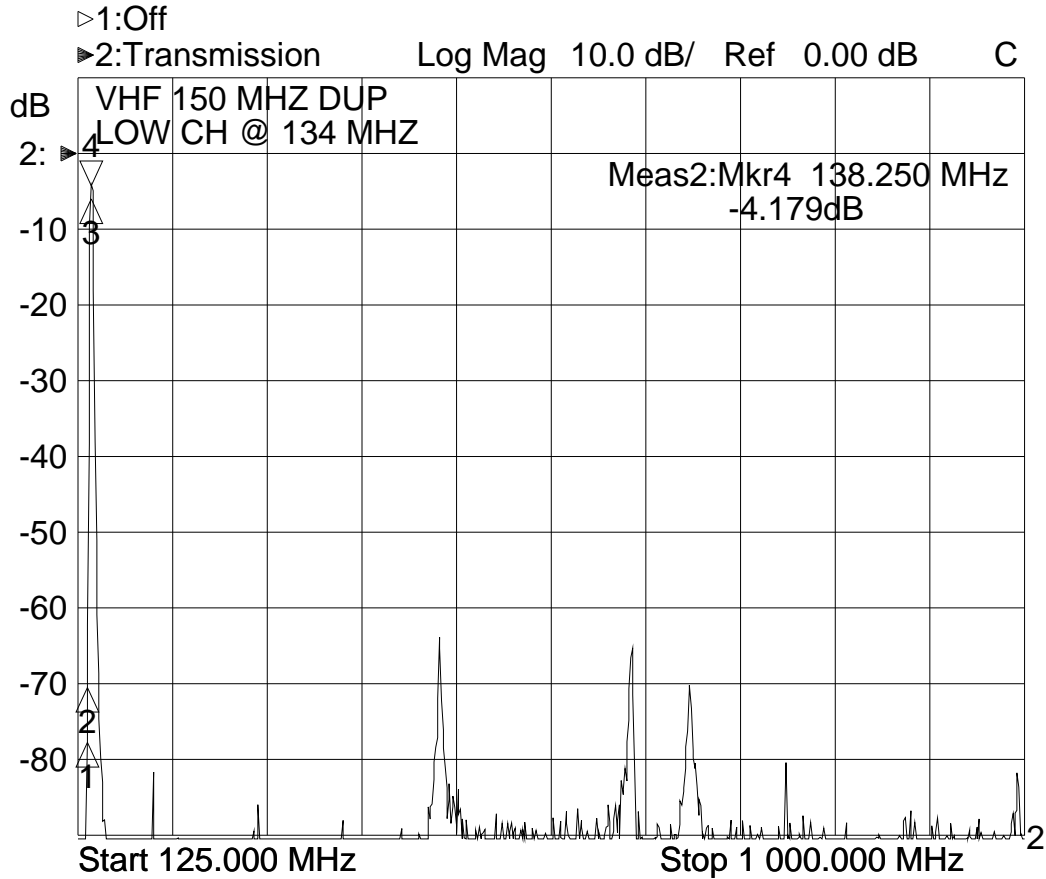
1:Mkr (MHz)	dB	2:Mkr (MHz)	dB
1: 133.7500	-22.366	1: 133.7500	-75.806
2> 134.2500	-32.773	2: 134.2500	-69.871
3: 137.7500	-25.439	3: 137.7500	-2.958
4: 138.2500	-23.428	4> 138.2500	-2.670

VHF Duplexer Data
+24°C, low channel rejection to 1 GHz



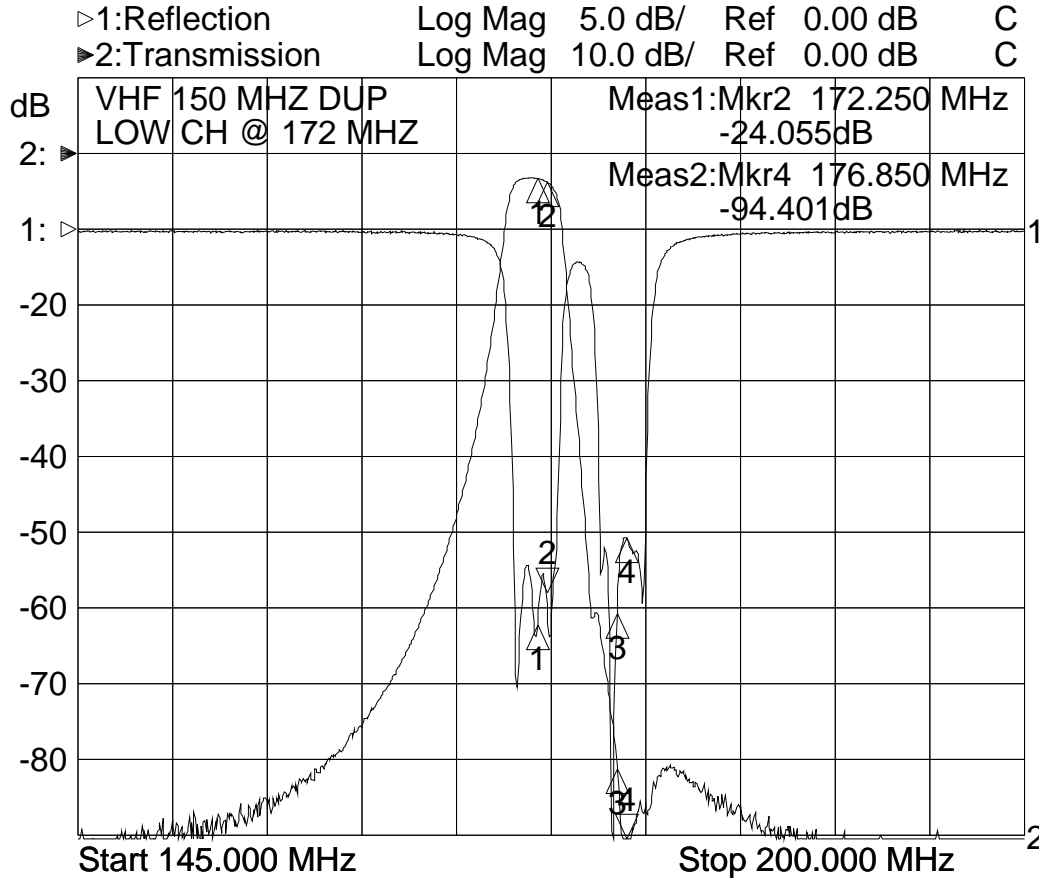
1:Mkr (MHz)	dB	2:Mkr (MHz)	dB
		1: 133.7500	-4.535
		2: 134.2500	-5.318
		3: 137.7500	-81.832
		4> 138.2500	-92.956

VHF Duplexer Data
+24°C, high channel rejection to 1 GHz



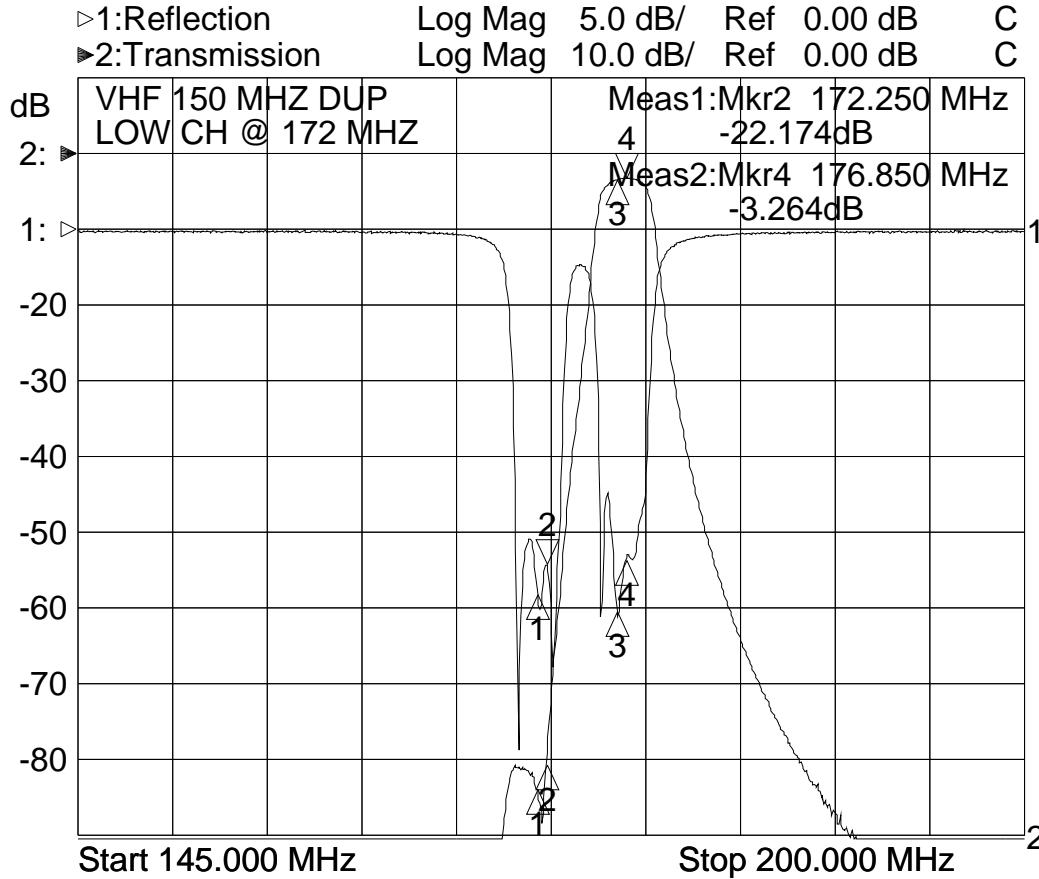
1:Mkr (MHz)	dB	2:Mkr (MHz)	dB
		1: 133.7500	-77.640
		2: 134.2500	-70.592
		3: 137.7500	-6.006
		4> 138.2500	-4.179

VHF Duplexer Data
+24°C, low channel, tuned to highest frequency



1:Mkr (MHz)	dB	2:Mkr (MHz)	dB
1: 171.7500	-26.131	1: 171.7500	-3.305
2> 172.2500	-24.055	2: 172.2500	-3.711
3: 176.3500	-25.324	3: 176.3500	-81.181
4: 176.8500	-20.370	4> 176.8500	-94.401

VHF Duplexer Data
+24°C, High channel, tuned to highest frequency



1:Mkr (MHz)	dB	2:Mkr (MHz)	dB
1: 171.7500	-24.174	1: 171.7500	-84.103
2> 172.2500	-22.174	2: 172.2500	-80.698
3: 176.3500	-25.201	3: 176.3500	-3.496
4: 176.8500	-21.876	4> 176.8500	-3.264