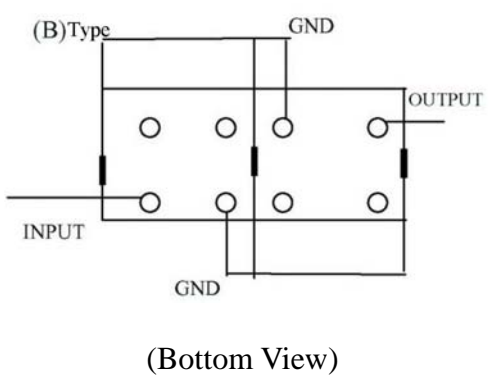
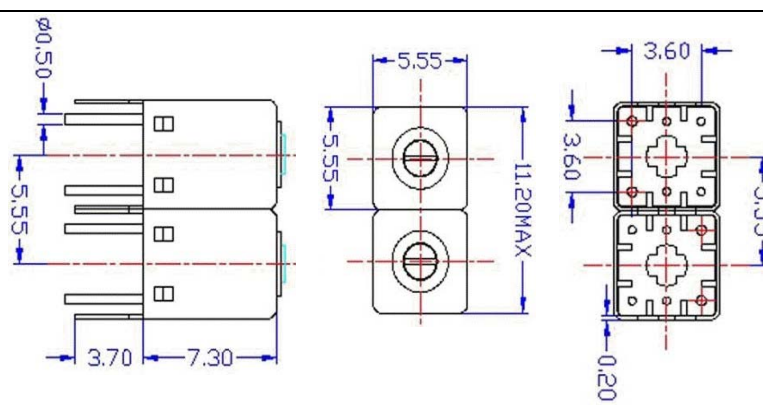


VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TDR2797B-1175M
Approval No. /dated	20201116DC	Acceptable Specify Fo. Range	1150~1200MHz
Work Instruction No.	20201116DC	Date	Feb.02.2002

(1)Pin Position	(2)Size Diagram
 <p>(Bottom View)</p>	

(3)Electric Character

Item	Specify	Performance	
Center Freq.(Fo) +/- 0.5 %	1175 MHz	1175 MHz	
Tunable Range:	1175±10 MHz	1175±10 MHz	
Insertion Loss	Typ. 3.0 dB	2.1 dB	
-3 dB Bandwidth	Typ. 38 MHz	49.5 MHz	
Sensitivity (Attenuation)	Fo - 100 MHz	Typ. 21 dBc	24 dBc
	Fo + 100 MHz	Typ. 17 dBc	20 dBc
	Fo - ()MHz	Typ. dBc	dBc
	Fo +()MHz	Typ. dBc	dBc
Return Loss	Min. 12 dB	21 dB	
Ripple	< 1 dB	dB	
Impedance	In / Out : 50 Ω	In / Out : 50 Ω	

(4)Torque for Tuning Screw > 60gf • cm

(5)Temperature Condition:

Operating Temperature	-30°C ~ +70°C
Storage Temperature	-30°C ~ +80°C

(6)Input Power > 0.5Watt

Approval	Supervisor	Designer	Aperture size
C.Y.Chang	C.S.Chang	C.S.Chang	5R2S(3.8*4.2)

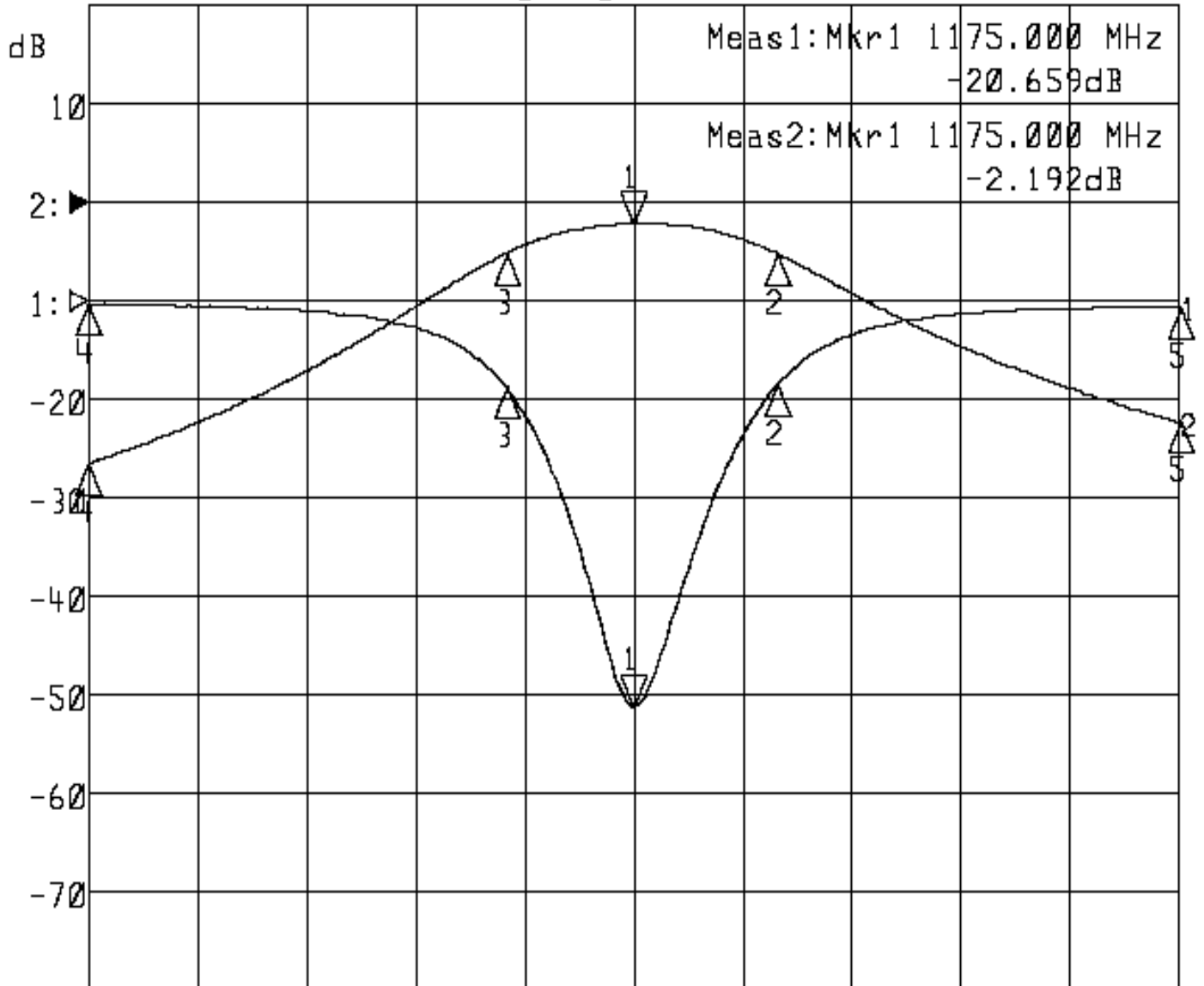
TEMWELL CORPORATION

Performance-TDR2797B-1175M

20201116DC

▷1:S11 Refl Port1 Log Mag 5.0 dB/ Ref 0.00 dB C

▶2:S21 Fwd Trans Log Mag 10.0 dB/ Ref 0.00 dB C



Center 1 175.000 MHz

Span 200.000 MHz

1:Mkr (MHz)	dB	2:Mkr (MHz)	dB
1> 1175.0000	-20.659	1> 1175.0000	-2.192
2: 1201.2667	-4.272	2: 1201.2667	-5.167
3: 1151.7333	-4.410	3: 1151.7333	-5.139
4: 1075.0000	-0.184	4: 1075.0000	-26.543
5: 1275.0000	-0.325	5: 1275.0000	-22.327