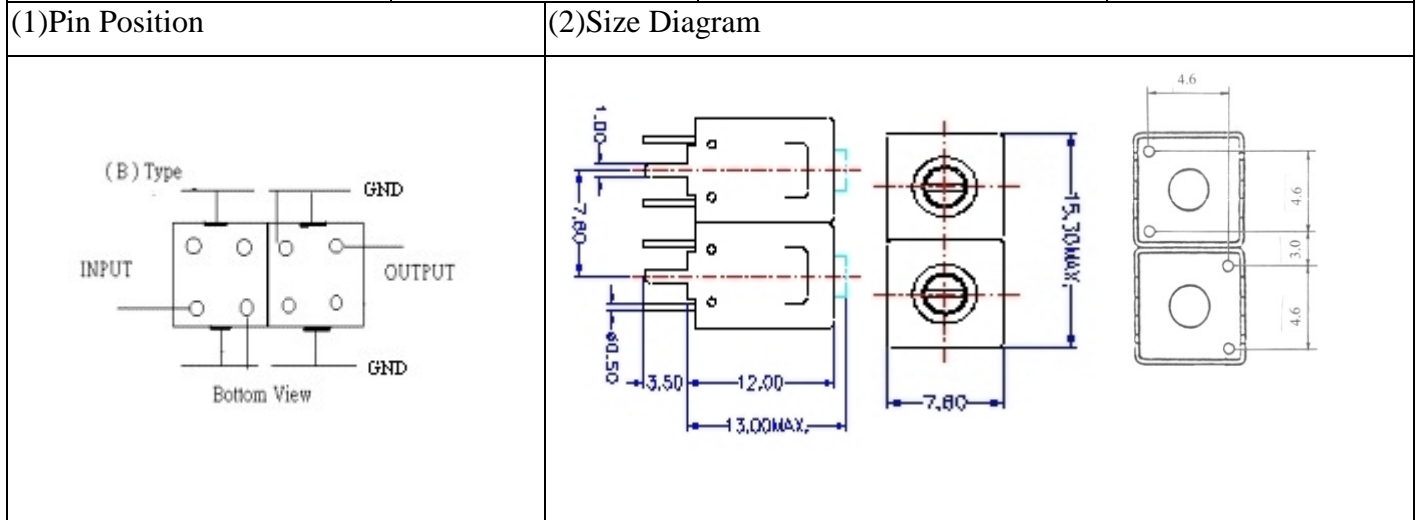


VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TD67189B-90M
Approval No. /dated	9703131	Acceptable Specify Range	86~95MHz
Work Instruction No.	9703131	Date	



(3) Electric Characteristic

Item	Specify	Performance	
Center Freq.(Fo) +/- 0.5 %	90 MHz	90 MHz	
Tunable Range	90±2 MHz	90±2 MHz	
Insertion Loss	Typ. 3.0 dB	2.20 dB	
-3 dB Bandwidth	Typ. 5 MHz	6 MHz	
Sensitivity (Attenuation)	Fo - 20 MHz	Typ. 24 dBc	26 dBc
	Fo + 20 MHz	Typ. 34 dBc	36 dBc
	Fo - ()MHz	Typ. dBc	dBc
	Fo +()MHz	Typ. dBc	dBc
Return Loss	Min. 12 dB	23.7 dB	
Ripple	< 1 dB	dB	
Impedance	In / Out : 50 Ω	In / Out : 50 Ω	

(4) Torque for Tuning Screw > 100gf · cm

(5) Temperature Condition:

Operating Temperature	-0°C ~ +60°C
Storage Temperature	-20°C ~ +70°C

(6) Input Power > 1Watt

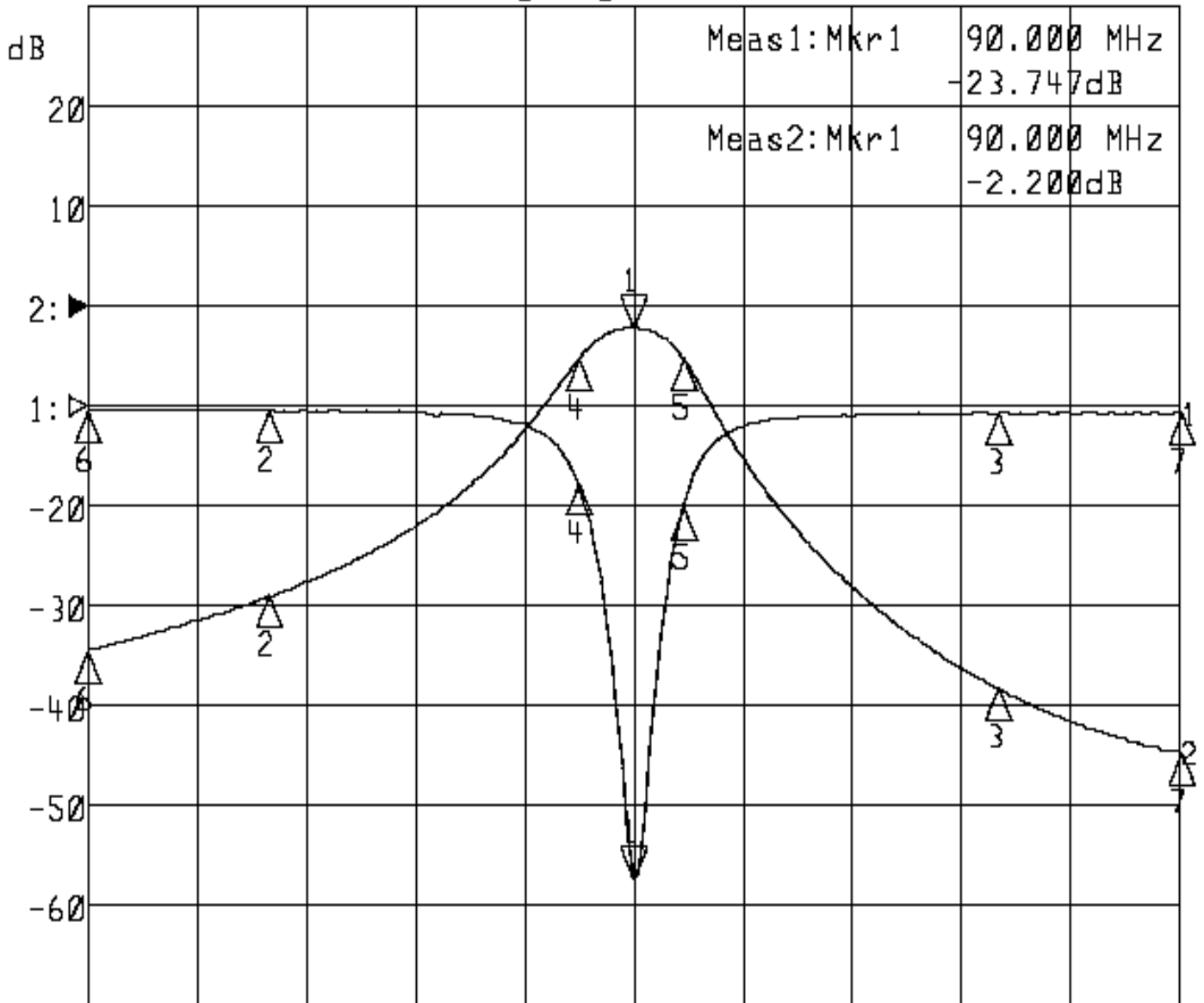
Approval C.Y.Chang	Supervisor C.S.Chang	Designer C.S.Chang	Aperture size 7H2S(4*6.5)F 7H00LB4
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TEMWELL CORPORATION

Performance- TD67189B-90M

9703131

▷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 90.000 MHz

Span 60.000 MHz

1:Mkr (MHz)	dB	2:Mkr (MHz)	dB
1> 90.0000	-23.747	1> 90.0000	-2.200
2: 70.0000	-0.233	2: 70.0000	-29.077
3: 110.0000	-0.395	3: 110.0000	-38.262
4: 86.9800	-3.936	4: 86.9800	-5.263
5: 92.7200	-5.076	5: 92.7200	-5.282
6: 60.0000	-0.200	6: 60.0000	-34.433
7: 120.0000	-0.363	7: 120.0000	-44.703