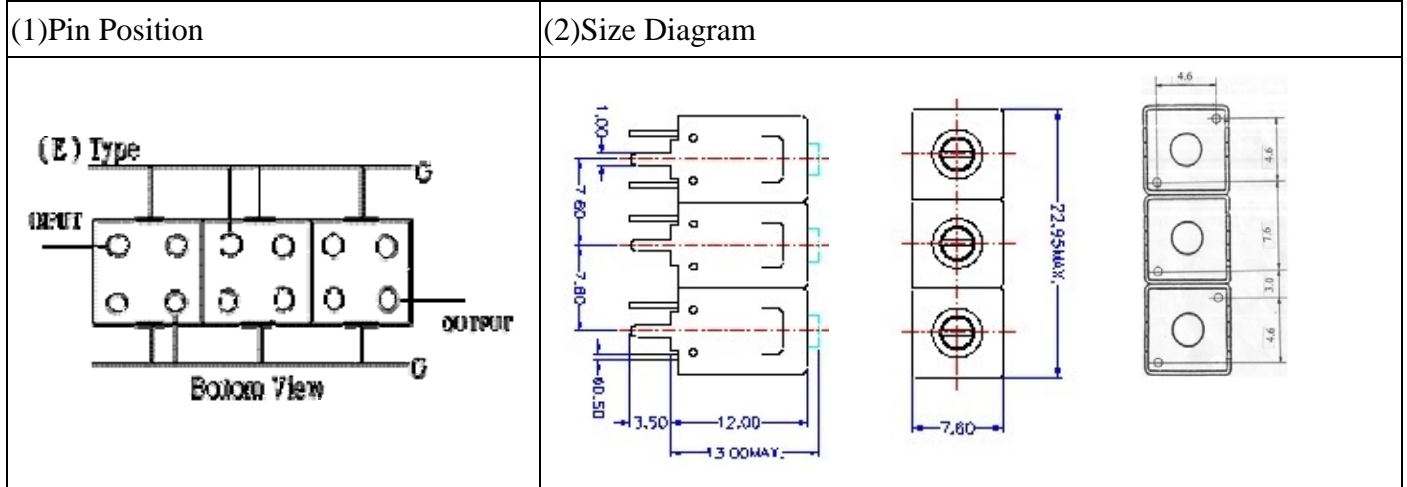


VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TTL67552E-813.5M
Approval No. /dated	20303034DB	Acceptable Specify Fo. Range	801~830MHz
Work Instruction No.	20303034DB	Date	



(3) Electric Character

Item	Specify	Performance	
Center Freq.(Fo) +/- 0.5 %	813.5 MHz	813.5 MHz	
Tunable Range	813.5±10 MHz	813.5±10 MHz	
Insertion Loss	Typ. 3.0 dB	1.93 dB	
-1 dB Bandwidth	Typ. 22 MHz	26.4 MHz	
-3 dB Bandwidth	Typ. 27 MHz	31 MHz	
Sensitivity (Attenuation)	Fo - 100 MHz	Typ. 47 dBc	50 dBc
	Fo + 100 MHz	Typ. 64 dBc	67 dBc
	Fo - ()MHz	Typ. dBc	dBc
	Fo +()MHz	Typ. dBc	dBc
Return Loss	Min. 12 dB	17.5 dB	
Ripple	< 1 dB	dB	
Impedance	In / Out : 75 Ω	In / Out : 75 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		

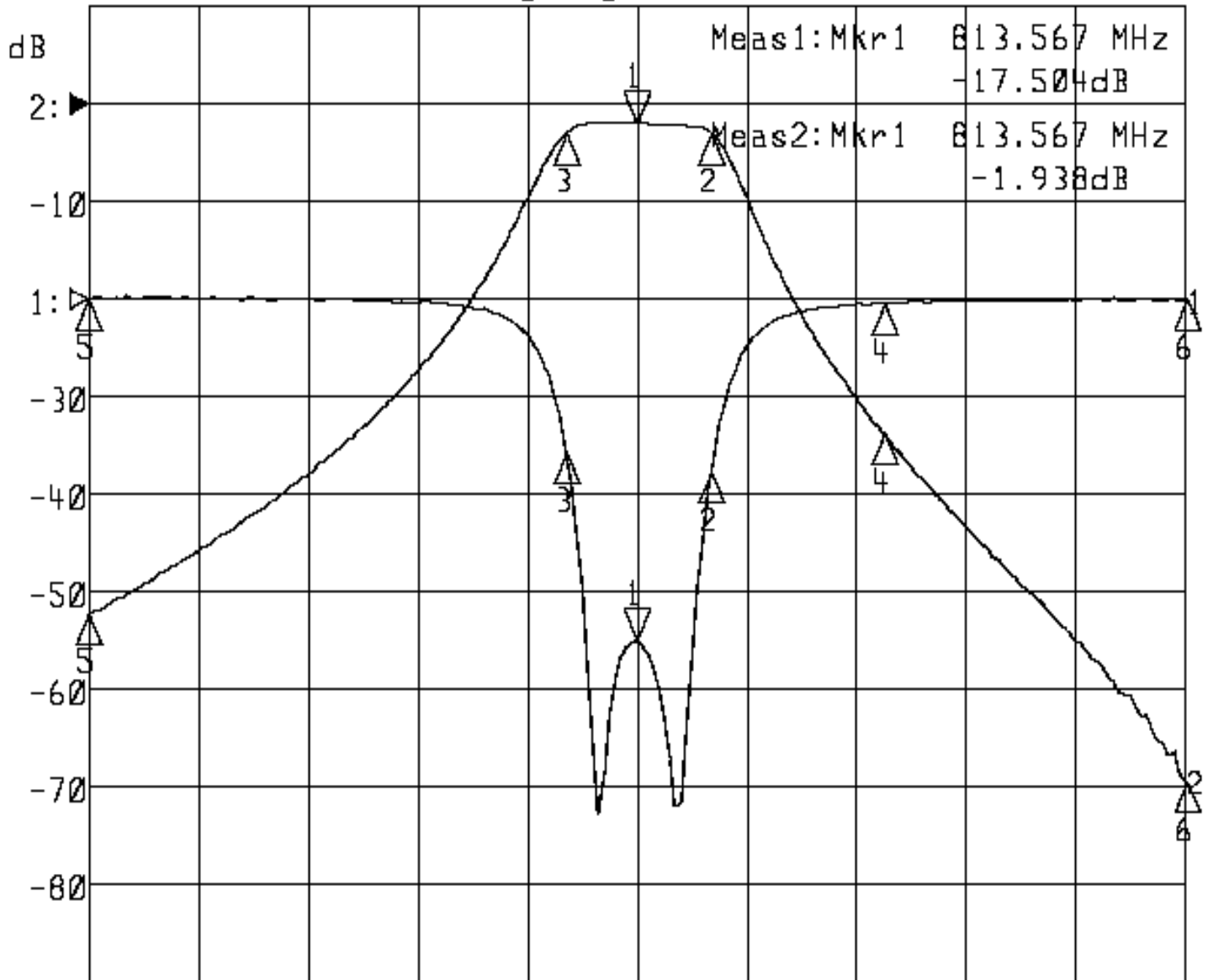
Approval	Supervisor	Designer	Aperture size
C.Y.Chang	C.S.Chang	C.S.Chang	7H3S(4*5.5) 7H046LB4 聚 3

TEMWELL CORPORATION

Performance- TTL67552E-813.5M

20303034DB

▷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 813.500 MHz

Span 200.000 MHz

1:Mkr (MHz)	dB	2:Mkr (MHz)	dB
1> 813.5667	-17.504	1> 813.5667	-1.938
2: 827.0333	-8.830	2: 827.0333	-2.925
3: 800.6333	-7.867	3: 800.6333	-2.966
4: 858.5000	-0.212	4: 858.5000	-33.812
5: 713.5000	0.007	5: 713.5000	-52.309
6: 913.5000	-0.062	6: 913.5000	-69.484