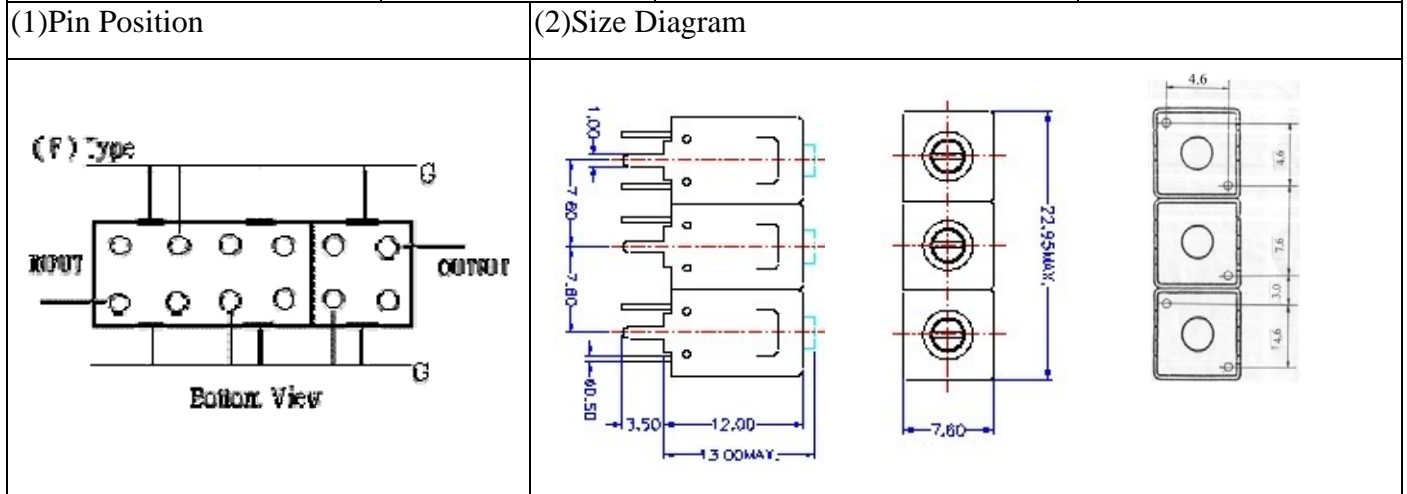


# VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TTL67559F-1117.5M
Approval No. /dated	20312006DB	Acceptable Specify Fo Range	1101~1180MHz
Work Instruction No.	20312006DB	Date	Dec.03.2003



(3) Electric Characteristic

Item	Specify	Performance	
Center Freq.(Fo) +/- 0.5 %	1117.5 MHz	1117.5 MHz	
Tunable Range:	1117.5±5 MHz	1117.5±5 MHz	
Insertion Loss	Typ. 2.5 dB	1.41 dB	
-3 dB Bandwidth	Typ. 70 MHz	76.4 MHz	
Sensitivity (Attenuation)	Fo - 200 MHz	Typ. 57 dBc	60 dBc
	Fo + 200 MHz	Typ. 27 dBc	30 dBc
	Fo - ( )MHz	Typ. dBc	dBc
	Fo +( )MHz	Typ. dBc	dBc
Return Loss	Min. 12 dB	17.7 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

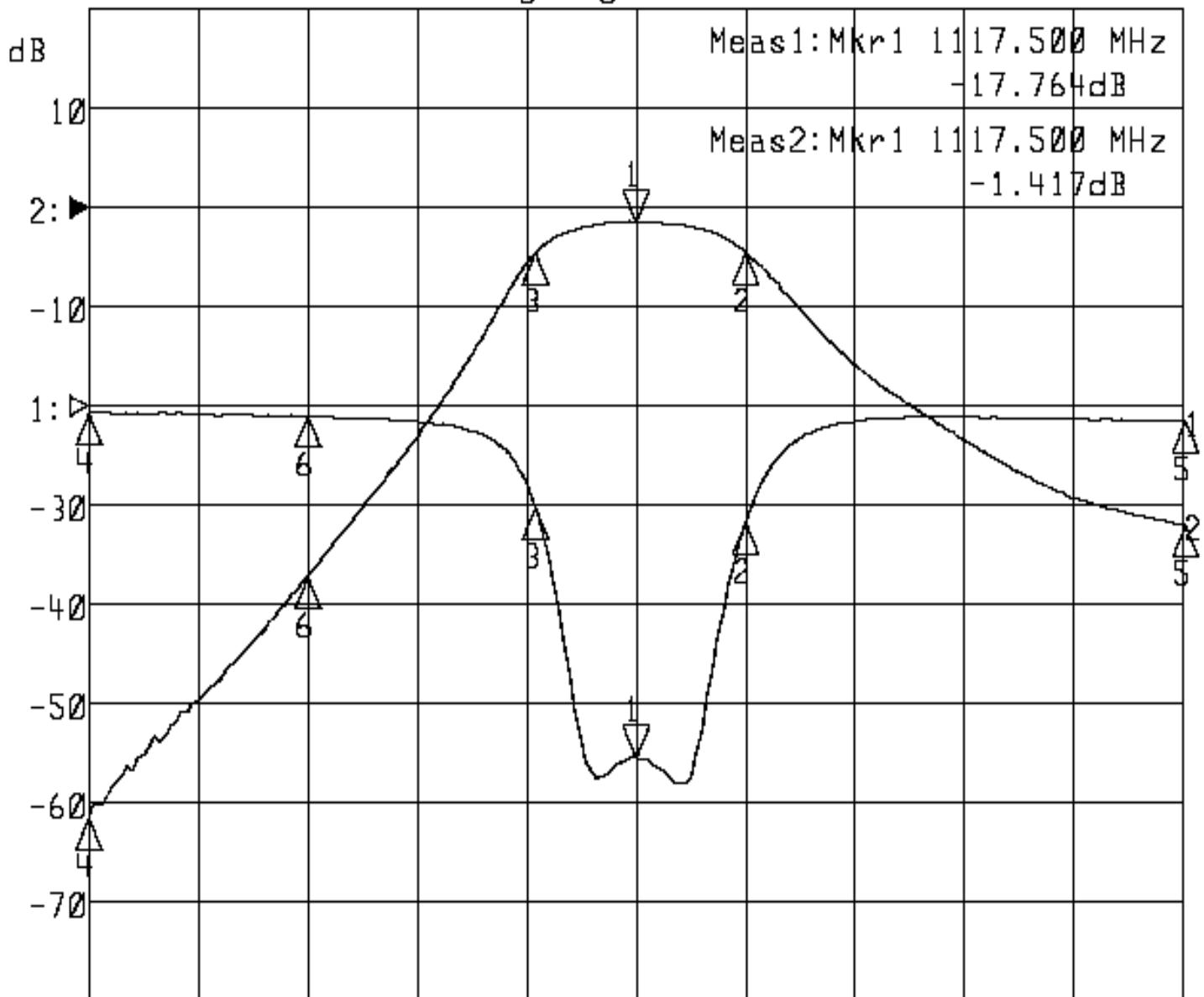
Approval	Supervisor	Designer	Aperture size
C. Y. Chang	C. S. Chang	C. S. Chang	7H3S(4*7.5) 7H046LB6

TEMWELL CORPORATION

# Performance-TTL67559F-1117.5M

## 20312006DB

▶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 1117.500 MHz

Span 400.000 MHz

1:Mkr (MHz)	dB	2:Mkr (MHz)	dB
1> 1117.5000	-17.764	1> 1117.5000	-1.417
2: 1157.5000	-5.885	2: 1157.5000	-4.433
3: 1081.1000	-5.180	3: 1081.1000	-4.488
4: 917.5000	-0.369	4: 917.5000	-61.452
5: 1317.5000	-0.809	5: 1317.5000	-32.073
6: 997.5000	-0.538	6: 997.5000	-37.160