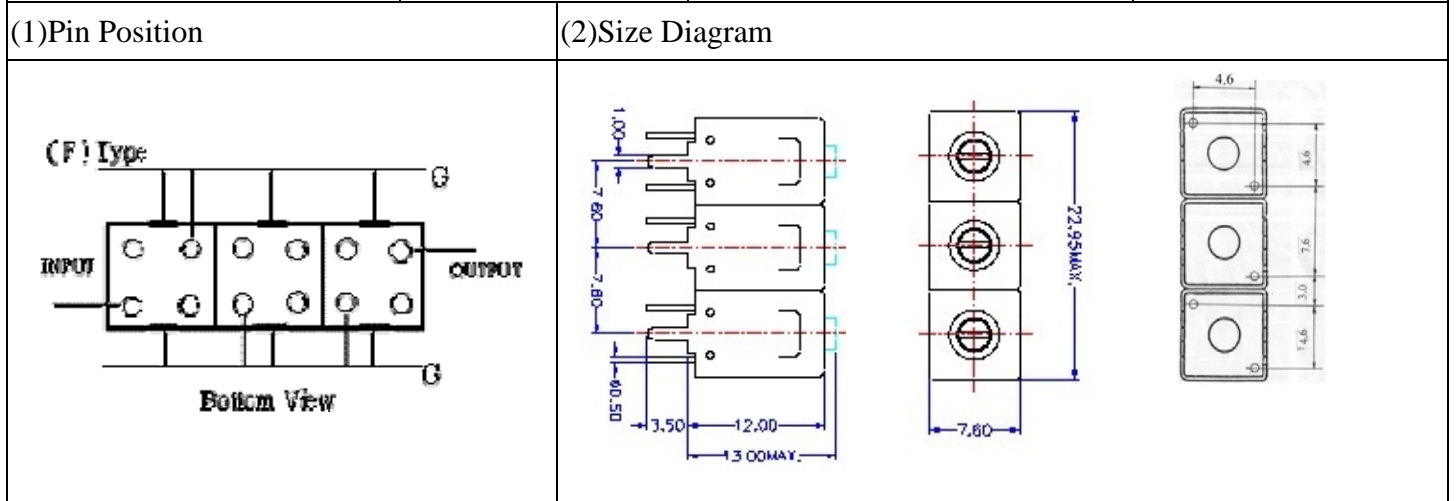


# VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TT67555F-859.5M
Approval No. /dated	20307045DB	Acceptable Specify Fo. Range	831~860MHz
Work Instruction No.	20307045DB	Date	July.30.2003



(3) Electric Character

Item	Specify	Performance	
Center Freq.(Fo ) +/- 0.5 %	859.5 MHz	859.5 MHz	
Tunable Range	859.5±10 MHz	859.5±10 MHz	
Insertion Loss	Typ. 3.0 dB	2.1 dB	
-1 dB Bandwidth	Typ. 17 MHz	22 MHz	
-3 dB Bandwidth	Typ. 25 MHz	30 MHz	
Sensitivity (Attenuation)	Fo - 50 MHz	Typ. 31 dBc	34 dBc
	Fo + 50 MHz	Typ. 23 dBc	26 dBc
	Fo - ( )MHz	Typ. dBc	dBc
	Fo +( )MHz	Typ. dBc	dBc
Return Loss	Min. 12 dB	20.1 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	Supervisor	Designer	Aperture size
C.Y.Chang	C.S.Chang	Enlan	7H3S(4*5.7)SP 7H046LB4 聚 3

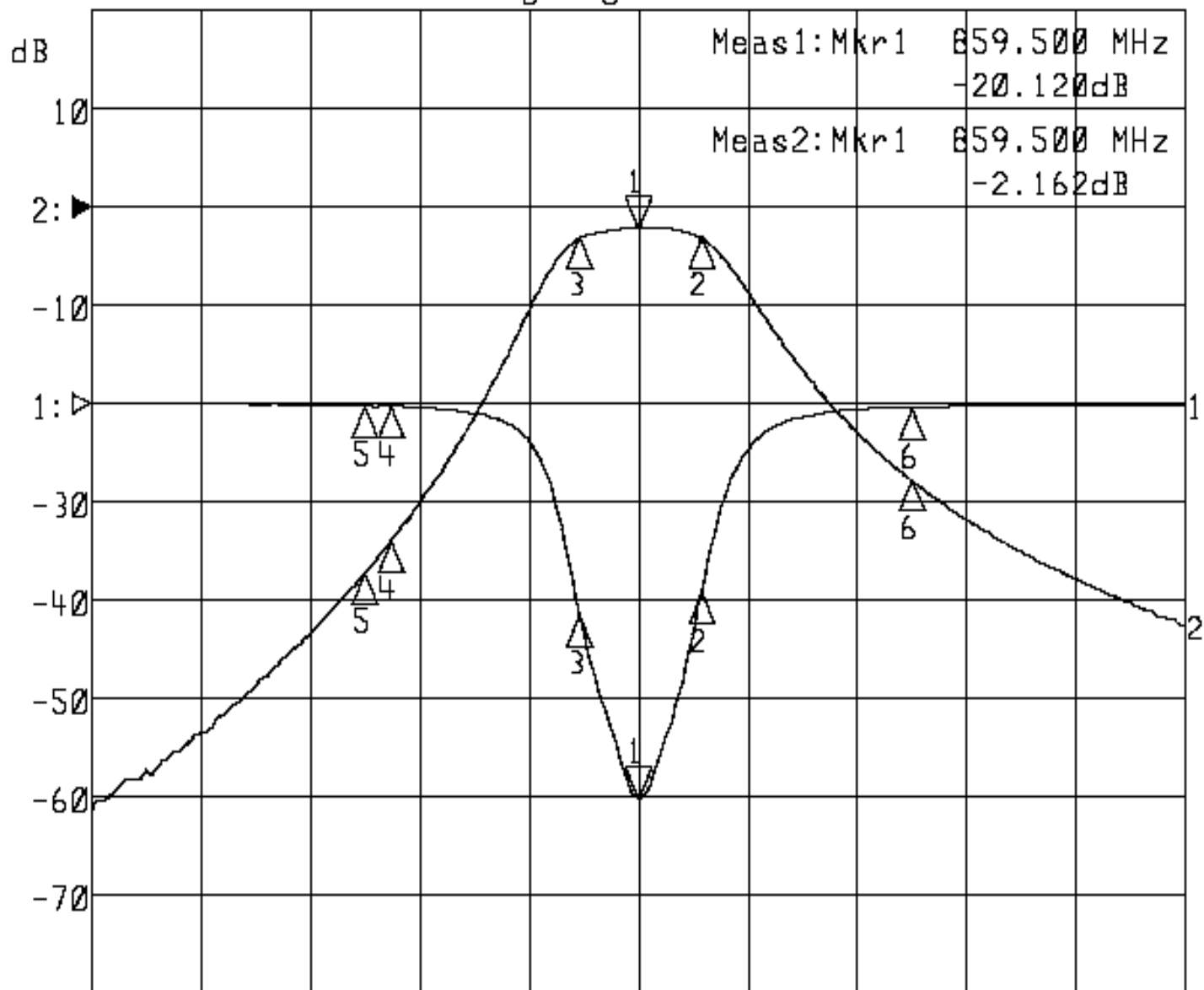
TEMWELL CORPORATION

# Performance-TT67555F-859.5M

## 20307045DB

▶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 859.500 MHz

Span 200.000 MHz

1:Mkr (MHz)	dB	2:Mkr (MHz)	dB
1> 859.5000	-20.120	1> 859.5000	-2.162
2: 870.9333	-9.682	2: 870.9333	-3.123
3: 848.8667	-10.731	3: 848.8667	-3.116
4: 814.5000	-0.145	4: 814.5000	-33.881
5: 809.5000	-0.111	5: 809.5000	-37.267
6: 909.5000	-0.205	6: 909.5000	-27.818