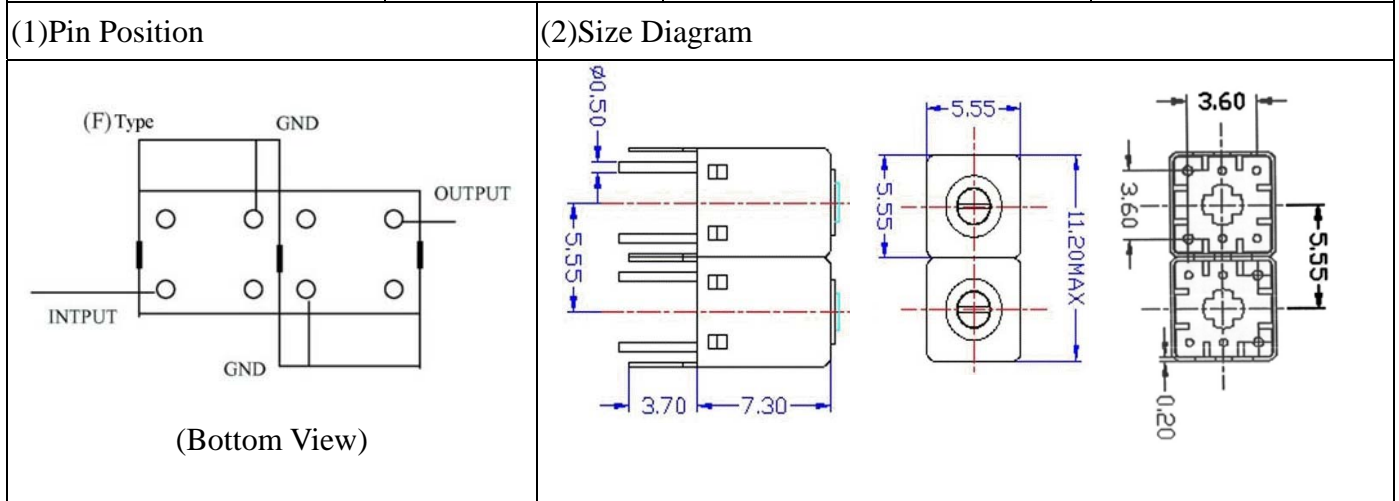


VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TDR2682F-675M
Approval No. /dated	20204051DC	Acceptable Specify Fo. Range	650~700MHz
Work Instruction No.	20204051DC	Date	Jul.31.2002



(3) Electric Character

Item	Specify	Performance	
Center Freq.(Fo) +/- 0.5 %	675 MHz	675 MHz	
Tunable Range:	675±10 MHz	675±10 MHz	
Insertion Loss	Typ. 7.0 dB	6.1 dB	
-3 dB Bandwidth	Typ. 17 MHz	23.6 MHz	
Sensitivity (Attenuation)	Fo - 70 MHz	Typ. 18 dBc	21 dBc
	Fo + 70 MHz	Typ. 28 dBc	31 dBc
	Fo - ()MHz	Typ. dBc	dBc
	Fo +()MHz	Typ. dBc	dBc
Return Loss	Min. 12 dB	12 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
--	-----------

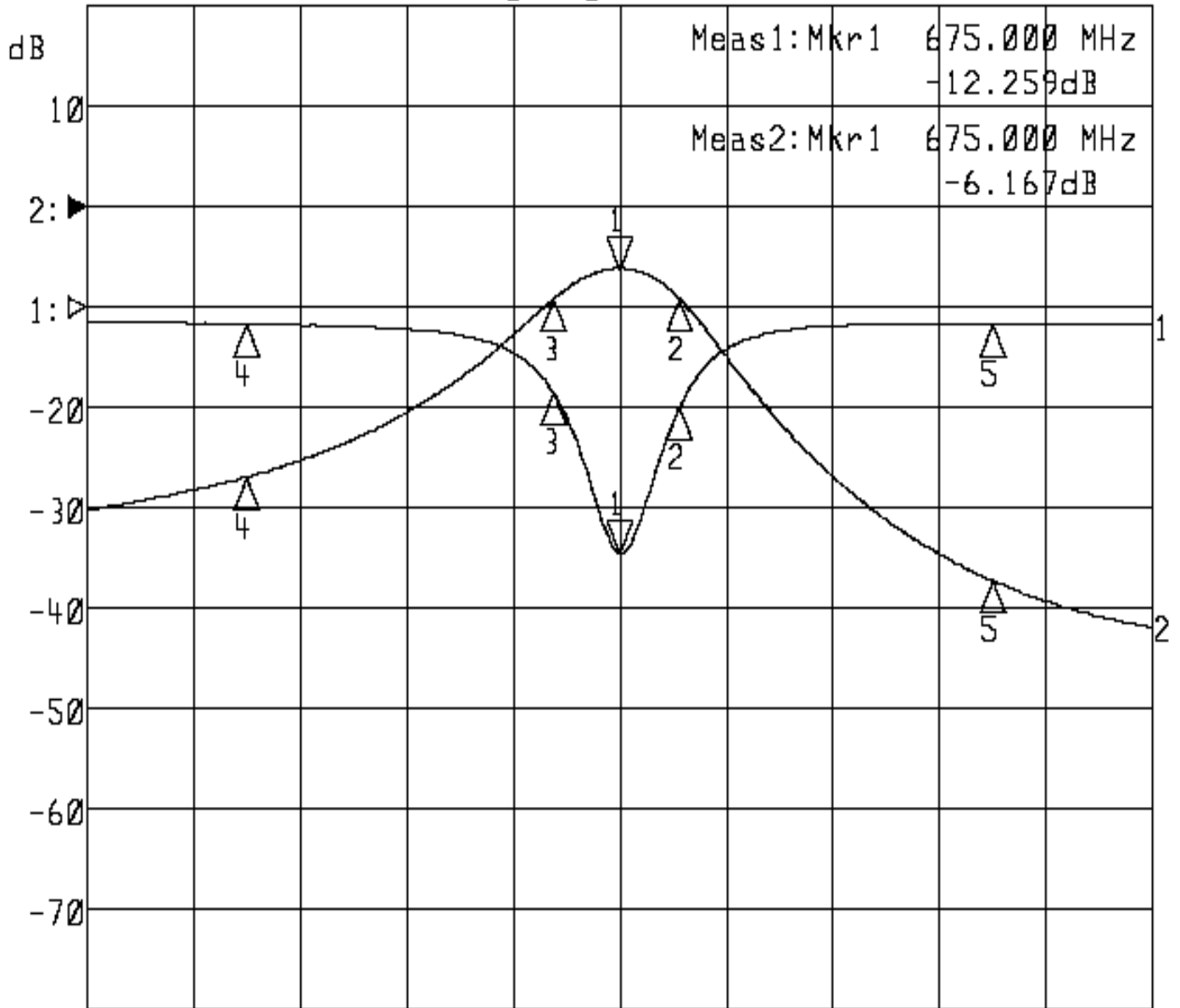
Approval	Supervisor	Designer	Aperture size
C.Y.Chang	C.S.Chang	C.S.Chang	5R2S(3.8*3.7)

TEMWELL CORPORATION

Performance-TDR2682F-675M

20204051DC

▶1:S11 Refl Port1 Log Mag 5.0 dB/ Ref 0.00 dB
▶2:S21 Fwd Trans Log Mag 10.0 dB/ Ref 0.00 dB



Center 675.000 MHz

Span 200.000 MHz

1:Mkr (MHz)	dB	2:Mkr (MHz)	dB
1> 675.0000	-12.259	1> 675.0000	-6.167
2: 686.3333	-4.963	2: 686.3333	-9.157
3: 662.7333	-4.294	3: 662.7333	-9.130
4: 605.0000	-0.878	4: 605.0000	-26.939
5: 745.0000	-0.851	5: 745.0000	-37.253