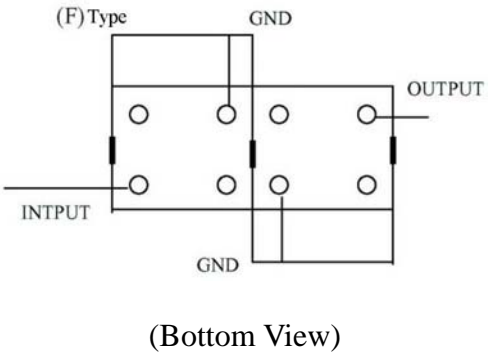
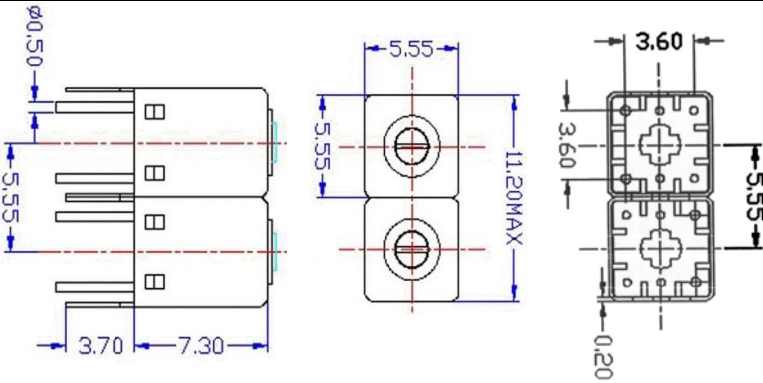


# VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TDR2672F-612M
Approval No. /dated	20204047DC	Acceptable Specify Fo. Range	600~650MHz
Work Instruction No.	20204047DC	Date	May.21.2002

(1)Pin Position	(2)Size Diagram
 <p>(F)Type      GND</p> <p>INPUT      OUTPUT</p> <p>GND</p> <p>(Bottom View)</p>	 <p>Dimensions shown:          - Pin diameter: <math>\phi 0.50</math>          - Pin spacing: 5.55          - Pin length: 3.70          - Pin offset: 7.30          - Filter body width: 5.55          - Filter body height: 11.20MAX          - Filter body depth: 3.60          - Filter body offset: 0.20</p>

### (3)Electric Character

Item	Specify	Performance	
Center Freq.(Fo ) +/- 0.5 %	612 MHz	612 MHz	
Tunable Range:	612±10 MHz	612±10 MHz	
Insertion Loss	Typ. 5.0 dB	4.0 dB	
-3 dB Bandwidth	Typ. 12 MHz	18.4 MHz	
Sensitivity (Attenuation )	Fo - 50 MHz	Typ. 19 dBc	22 dBc
	Fo + 50 MHz	Typ. 27 dBc	30 dBc
	Fo - ( )MHz	Typ. dBc	dBc
	Fo +( )MHz	Typ. dBc	dBc
Return Loss	Min. 12 dB	21 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

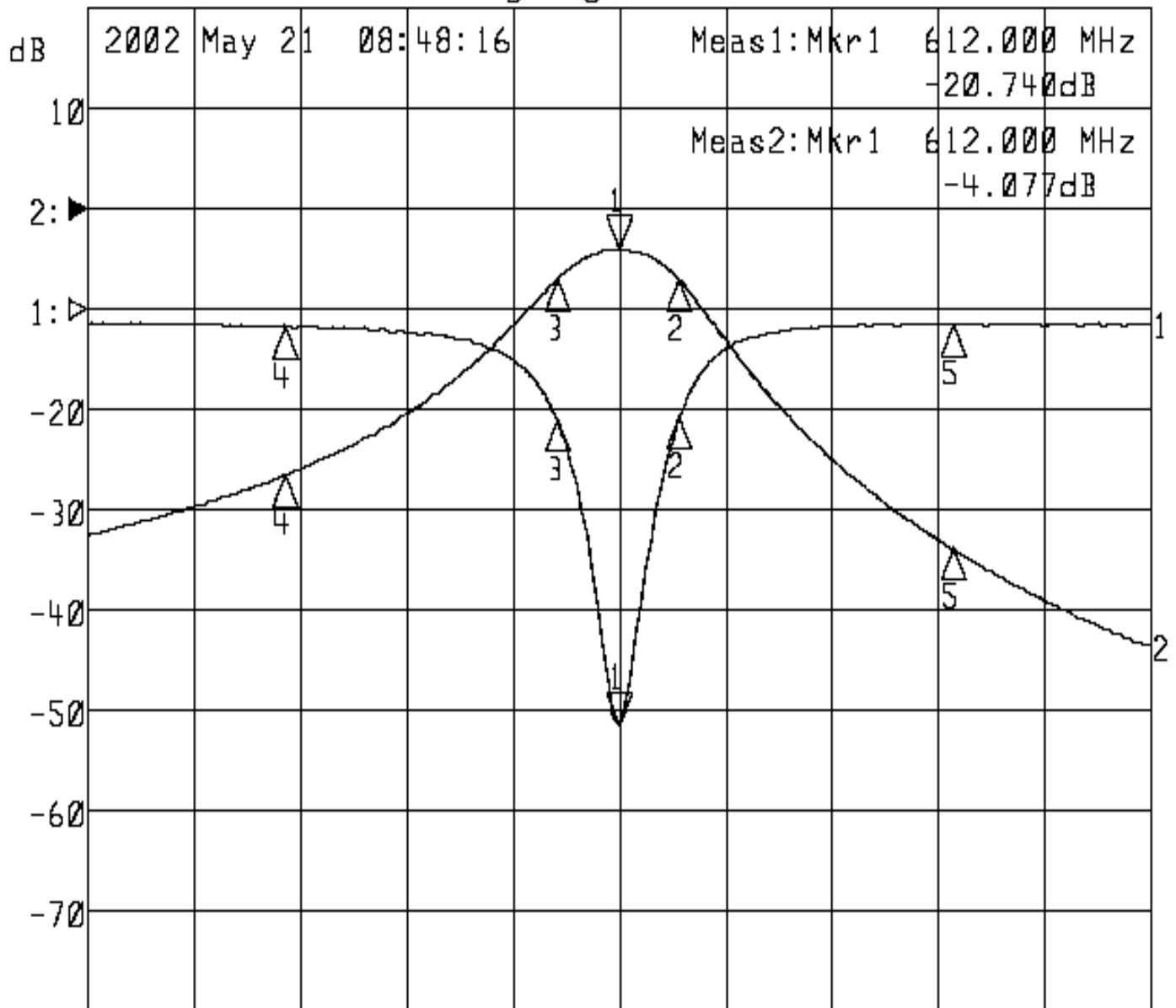
Approval	Supervisor	Designer	Aperture size
C.Y.Chang	C.S.Chang	C.S.Chang	5R2S(3.8*3.7)

TEMWELL CORPORATION

# Performance-TDR2672F-612M

## 20204047DC

▶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 612.000 MHz

Span 160.000 MHz

1:Mkr (MHz)	dB	2:Mkr (MHz)	dB
1> 612.0000	-20.740	1> 612.0000	-4.077
2: 621.0667	-5.425	2: 621.0667	-7.055
3: 602.6667	-5.538	3: 602.6667	-7.036
4: 562.0000	-0.816	4: 562.0000	-26.418
5: 662.0000	-0.799	5: 662.0000	-33.869