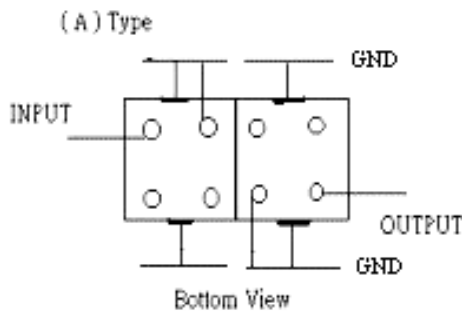
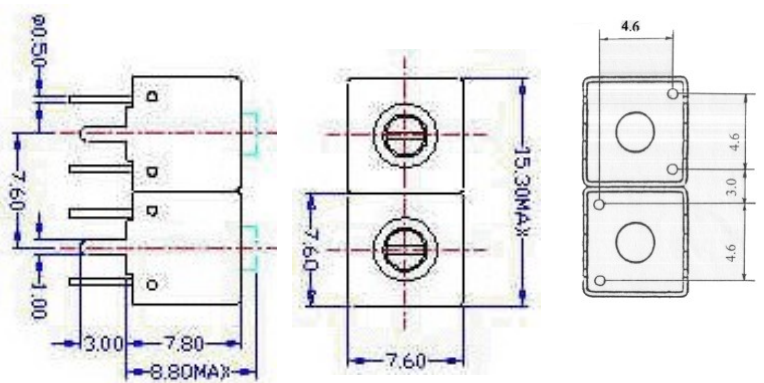


# VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TDS2154A-815M
Approval No. /dated	20104050DC	Acceptable Specify Fo. Range	801~830MHz
Work Instruction No.	20104050DC	Date	2001.04.19

(1)Pin Position	(2)Size Diagram
 <p>(A) Type Bottom View</p>	

### (3)Electric Character

Item	Specify	Performance	
Center Freq.(Fo ) +/- 0.5 %	815 MHz	815 MHz	
Tunable Range	815±10 MHz	815±10 MHz	
Insertion Loss	Typ. 2.5 dB	1.6 dB	
-3 dB Bandwidth	Typ. 23 MHz	27 MHz	
Sensitivity (Attenuation)	Fo - 50 MHz	Typ. 20 dBc	23 dBc
	Fo + 50 MHz	Typ. 17 dBc	20 dBc
	Fo - ( )MHz	Typ. dBc	dBc
	Fo +( )MHz	Typ. dBc	dBc
Return Loss	Min. 12 dB	28.7 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

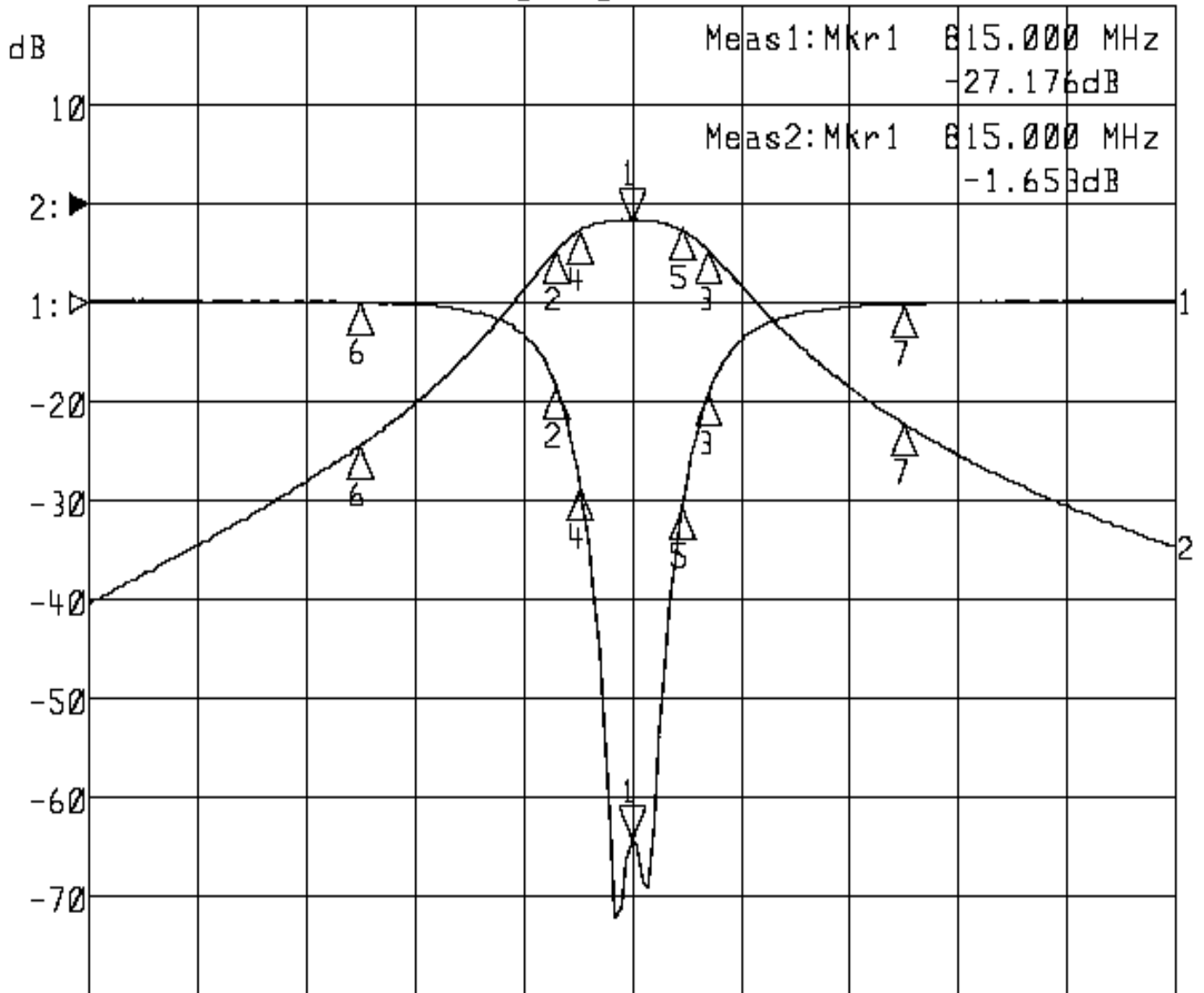
		> 1Watt	
Approval	Supervisor	Designer	Aperture size
C.Y.Chang	C.S.Chang	C.S.Chang	7S2S(4*5.2) 7S046LB4

TEMWELL CORPORATION

# Performance-TDS2154A-815M

## 20104050DC

▶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 815.000 MHz

Span 200.000 MHz

1:Mkr (MHz)	dB	2:Mkr (MHz)	dB
1> 815.0000	-27.176	1> 815.0000	-1.653
2: 801.2000	-4.297	2: 801.2000	-4.650
3: 828.9333	-4.686	3: 828.9333	-4.628
4: 805.5333	-9.322	4: 805.5333	-2.667
5: 824.2000	-10.394	5: 824.2000	-2.621
6: 765.0000	0.014	6: 765.0000	-24.420
7: 865.0000	-0.111	7: 865.0000	-22.231