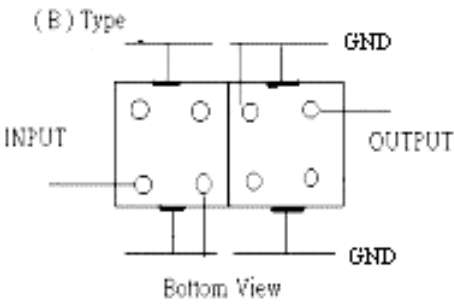
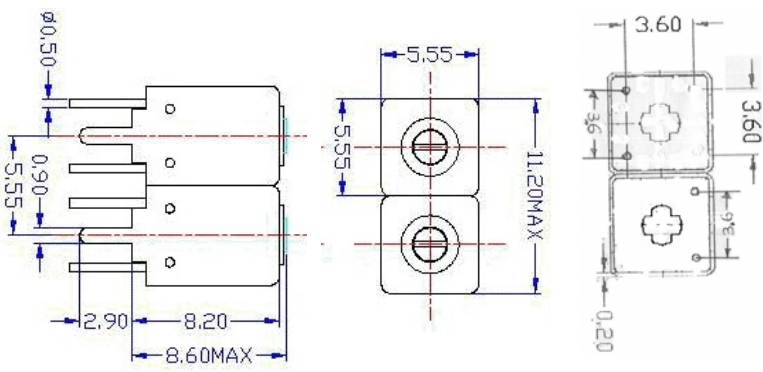


# VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TDW2505B-830M
Approval No. /dated	20112063DC	Acceptable Specify Fo. Range	810~850MHz
Work Instruction No.	20112063DC	Date	Dec.24.2001

<p>(1)Pin Position</p> 	<p>(2)Size Diagram</p> 
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(3)Electric Character

Item	Specify	Performance	
Center Freq.(Fo ) +/- 0.5 %	830 MHz	830 MHz	
Tunable Range:	830±10 MHz	830±10 MHz	
Insertion Loss	Typ. 2.5 dB	1.96 dB	
-3 dB Bandwidth	Typ. 32 MHz	40.4 MHz	
Sensitivity (Attenuation)	Fo - 50 MHz	Typ. 14 dBc	17 dBc
	Fo + 50 MHz	Typ. 9 dBc	12 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	> 60gf • cm		

(5)Temperature Condition:

Operating Temperature	0°C ~ +60°C
Storage Temperature	-20°C ~ +70°C

(6)Input Power

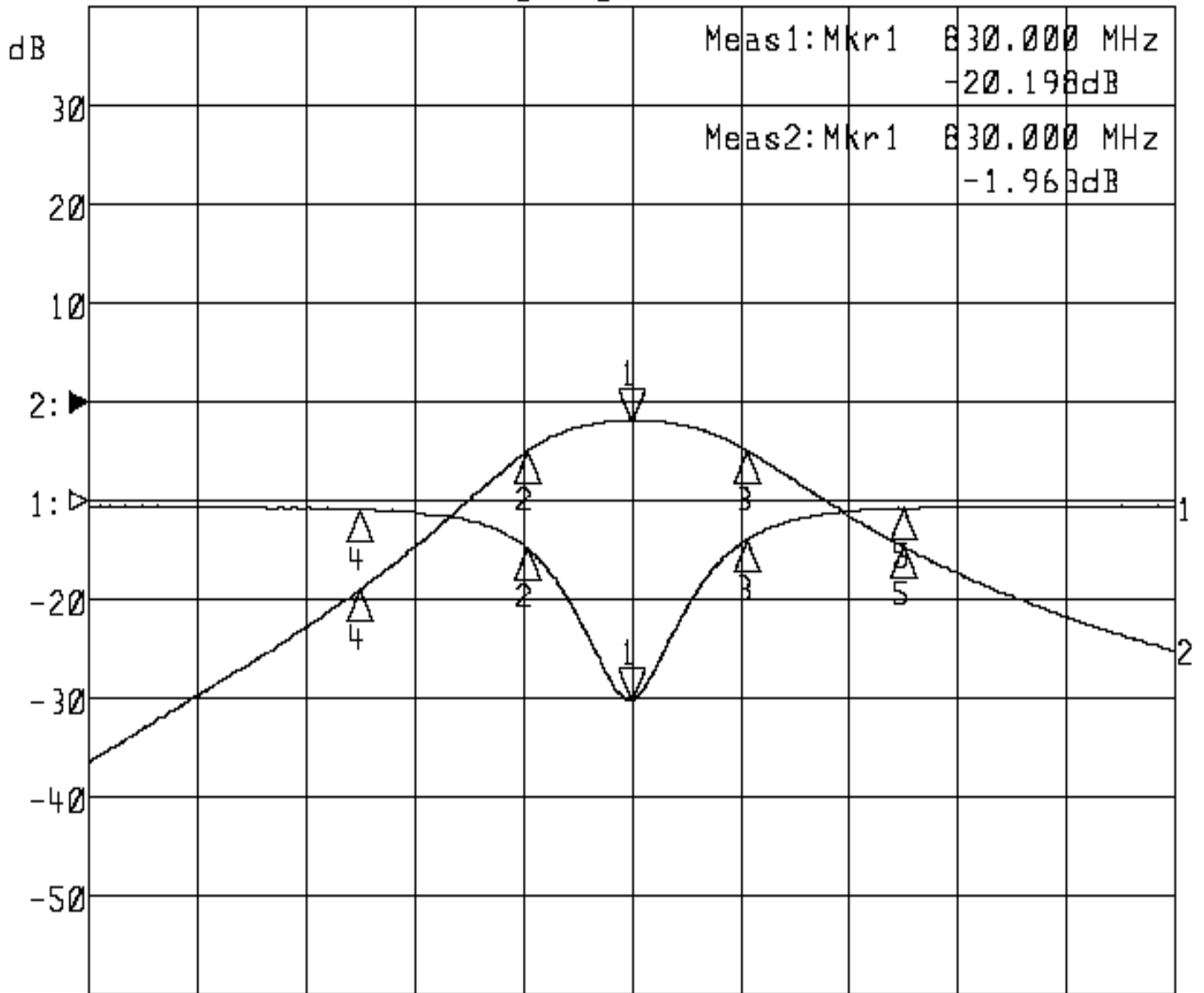
Approval	Supervisor	Designer	Aperture size
C.Y. Chang	C.S. Chang	C.S. Chang	5W2S(3.8*4.2) 5HW024RB3

TEMWELL CORPORATION

# Performance-TDW2505B-830M

## 20112063DC

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



Center 830.000 MHz

Span 200.000 MHz

1: Mkr (MHz)	dB	2: Mkr (MHz)	dB
1> 830.0000	-20.198	1> 830.0000	-1.963
2: 810.8667	-4.830	2: 810.8667	-4.952
3: 851.2667	-3.918	3: 851.2667	-4.934
4: 780.0000	-0.970	4: 780.0000	-19.058
5: 880.0000	-0.790	5: 880.0000	-14.606