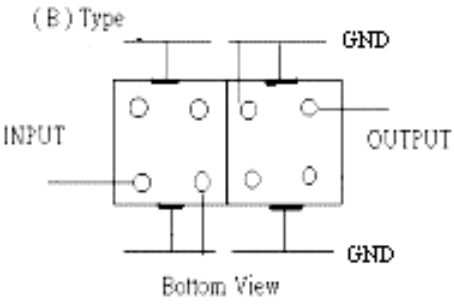
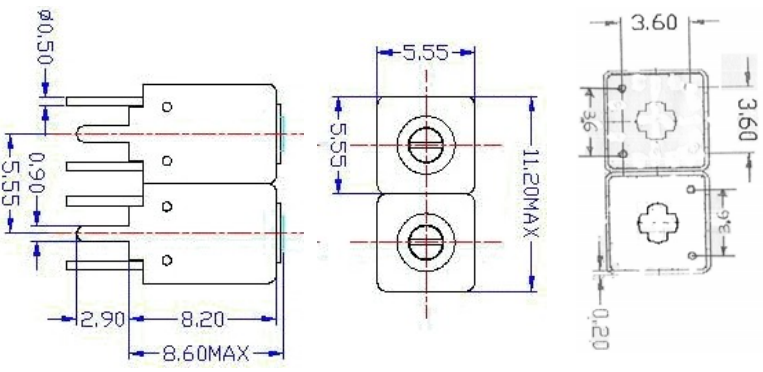


# VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TDW2513B-864M
Approval No. /dated	20204059B	Acceptable Specify Fo. Range	851~900MHz
Work Instruction No.	20204059B	Date	Apr.23.2002

<p>(1)Pin Position</p>  <p style="text-align: center;">Bottom View</p>	<p>(2)Size Diagram</p> 
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(3)Electric Character			
Item	Specify	Performance	
Center Freq.(Fo ) +/- 0.5 %	864 MHz	864 MHz	
Tunable Range:	864±10 MHz	864±10 MHz	
Insertion Loss	Typ. 5.0 dB	4.46 dB	
-3 dB Bandwidth	Typ. 6 MHz	15.4 MHz	
Sensitivity (Attenuation)	Fo - 30 MHz	Typ. 19 dBc	22 dBc
	Fo + 30 MHz	Typ. 16 dBc	19 dBc
	Fo - ( )MHz	Typ. dBc	dBc
	Fo +( )MHz	Typ. dBc	dBc
Return Loss	Min. 12 dB	34.7 dB	
Ripple	< 1 dB	dB	
Impedance	In / Out : 50 Ω	In / Out : 50 Ω	

(4)Torque for Tuning Screw	> 60gf • cm
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(5)Temperature Condition:	
Operating Temperature	0°C ~ +60°C
Storage Temperature	-20°C ~ +70°C
(6)Input Power	> 0.5Watt

Approval	Supervisor	Designer	Aperture size
C.Y. Chang	C.S. Chang	C.S. Chang	5W2S(3.8*3.7) 5HW024RB3

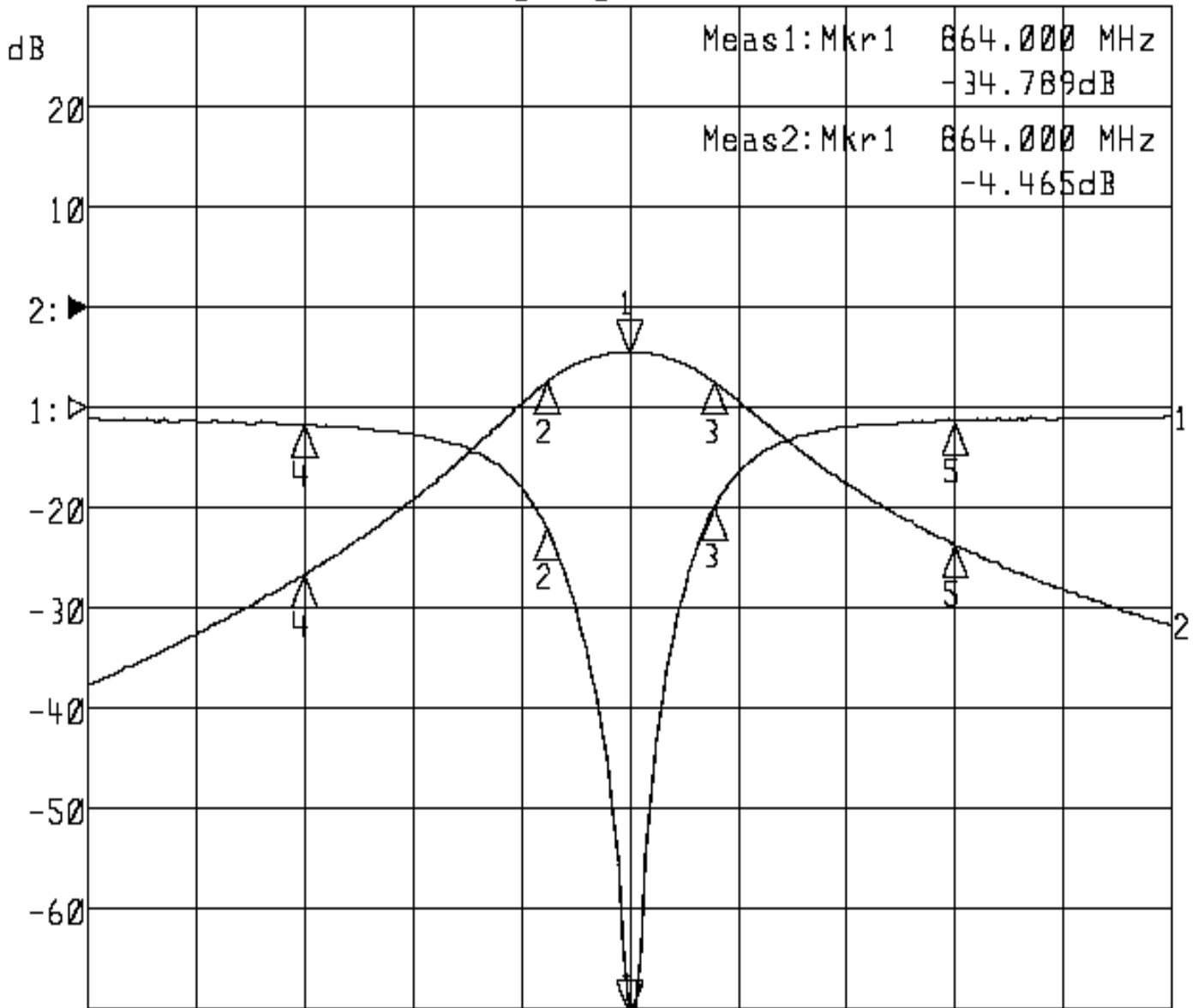
TEMWELL CORPORATION

# Performance-TDW2513B-864M

## 20204059B

▶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 864.000 MHz

Span 100.000 MHz

1:Mkr (MHz)	dB	2:Mkr (MHz)	dB
1> 864.0000	-34.789	1> 864.0000	-4.465
2: 856.4000	-6.002	2: 856.4000	-7.417
3: 871.8000	-5.000	3: 871.8000	-7.427
4: 834.0000	-0.914	4: 834.0000	-26.728
5: 894.0000	-0.702	5: 894.0000	-23.721