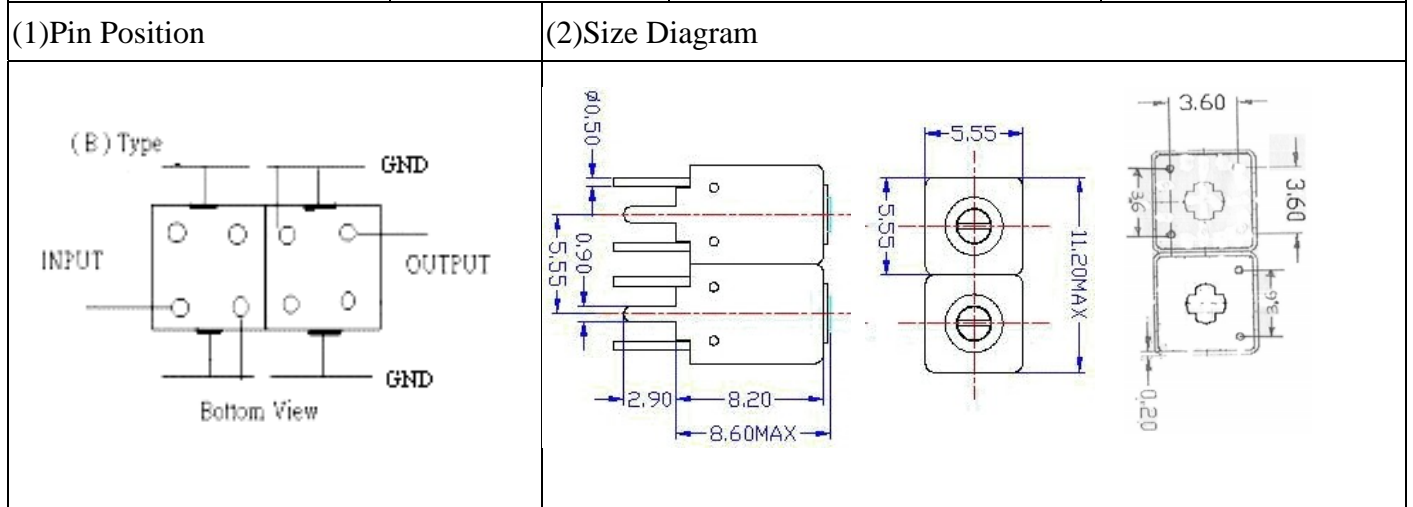


VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TDW2532B-870M
Approval No. /dated	20111054DC	Acceptable Specify Fo. Range	851~900MHz
Work Instruction No.	20111054DC	Date	Nov.19.2001



(3) Electric Character

Item	Specify	Performance	
Center Freq.(Fo) +/- 0.5 %	870 MHz	870 MHz	
Tunable Range:	870±10 MHz	870±10 MHz	
Insertion Loss	Typ. 4.0 dB	3.27 dB	
-3 dB Bandwidth	Typ. 24 MHz	32.9 MHz	
Sensitivity (Attenuation)	Fo - 50 MHz	Typ. 16 dBc	19 dBc
	Fo + 50 MHz	Typ. 12 dBc	15 dBc
	Fo - ()MHz	Typ. dBc	dBc
	Fo +()MHz	Typ. dBc	dBc
Return Loss	Min. 12 dB	21.7 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 > 0.5Watt

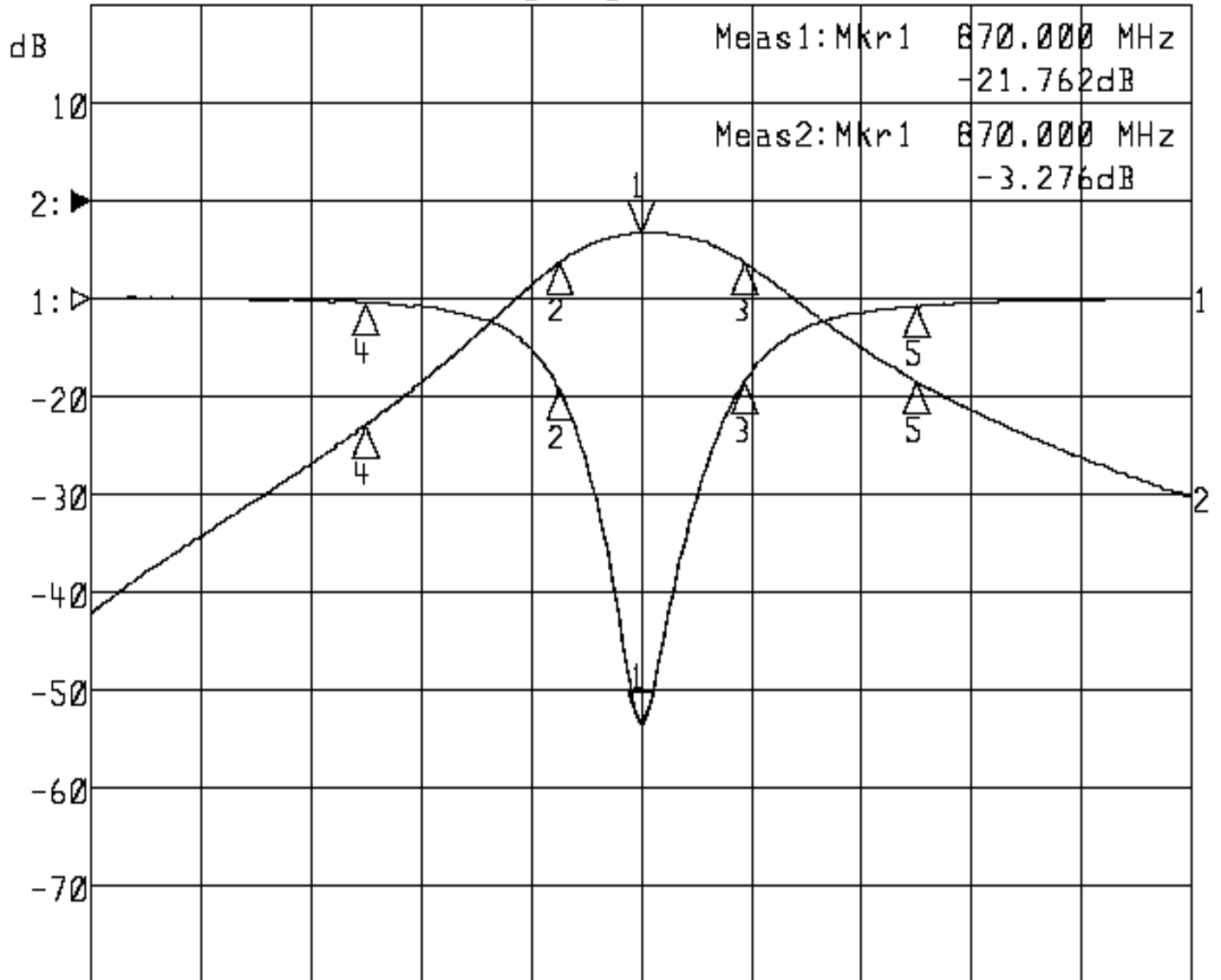
Approval	Supervisor	Designer	Aperture size
C.Y. Chang	C.S. Chang	C.S. Chang	5W2S(3.8*4.2) 5HW024RB3

TEMWELL CORPORATION

Performance-TDW2532B-870M

20111054DC

▷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 870.000 MHz

Span 200.000 MHz

1:Mkr (MHz)	dB	2:Mkr (MHz)	dB
1> 870.0000	-21.762	1> 870.0000	-3.276
2: 855.1333	-4.597	2: 855.1333	-6.283
3: 888.8000	-4.211	3: 888.8000	-6.265
4: 820.0000	-0.230	4: 820.0000	-22.954
5: 920.0000	-0.383	5: 920.0000	-18.426