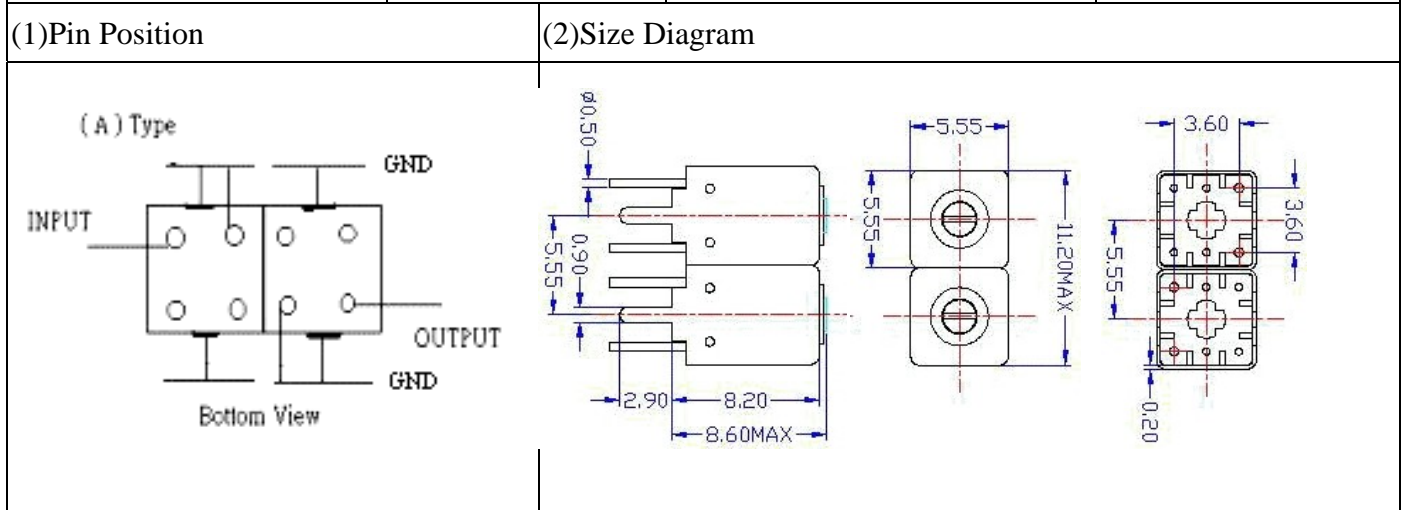


VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TDW2424A-440M
Approval No. /dated	20207005DC	Acceptable Specify Fo. Range	401~450MHz
Work Instruction No.	20207005DC	Date	July.03.2002



(3) Electric Character

Item	Specify	Performance	
Center Freq.(Fo) +/- 0.5 %	440 MHz	440 MHz	
Tunable Range:	440±5 MHz	440±5 MHz	
Insertion Loss	Typ. 3.5 dB	2.81 dB	
-3 dB Bandwidth	Typ. 18 MHz	22 MHz	
Sensitivity (Attenuation)	Fo - 50 MHz	Typ. 17 dBc	20 dBc
	Fo + 50 MHz	Typ. 24 dBc	27 dBc
	Fo - ()MHz	Typ. dBc	dBc
	Fo +()MHz	Typ. dBc	dBc
Return Loss	Min. 12 dB	17.6 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

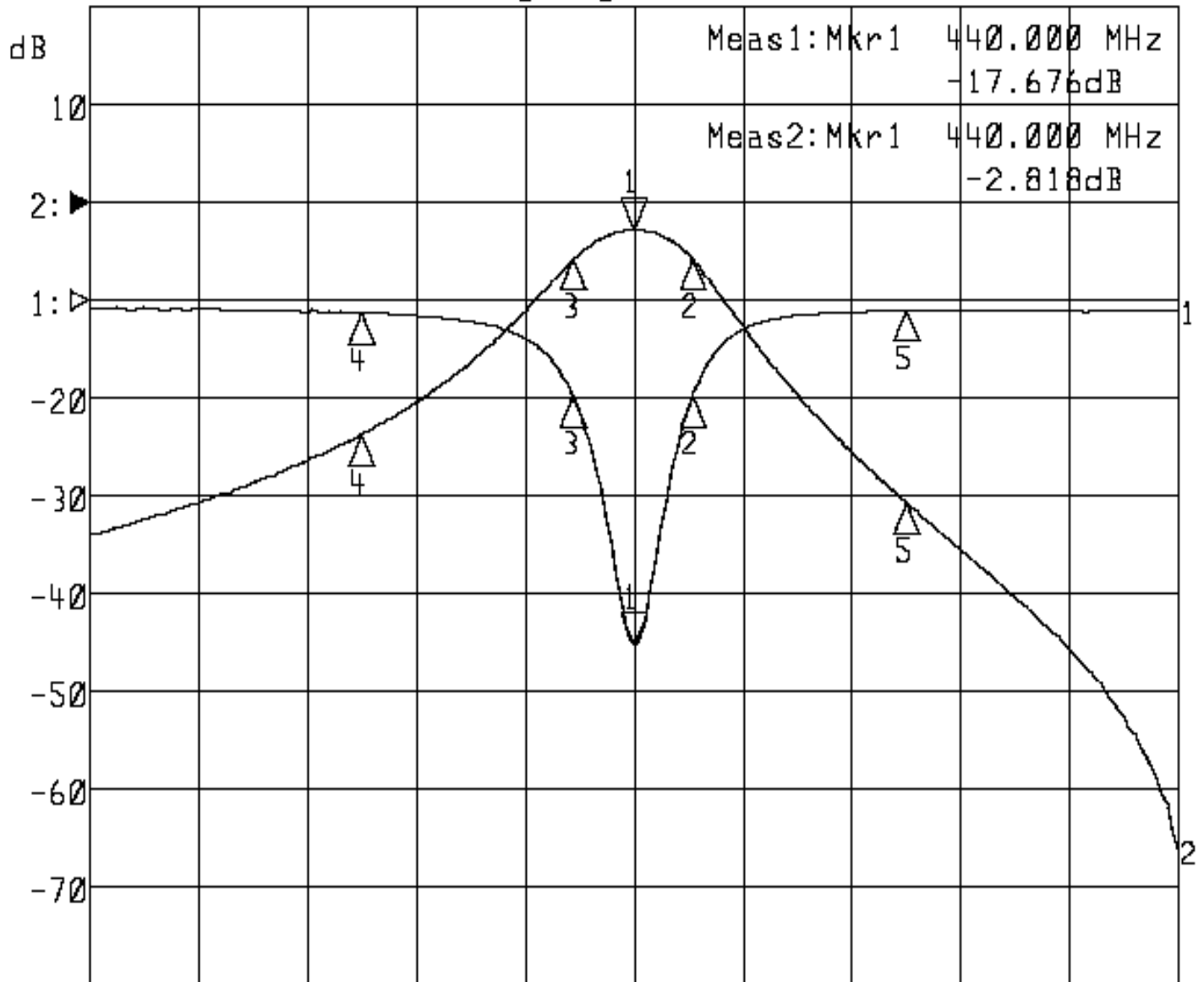
Approval	Supervisor	Designer	Aperture size
C.Y. Chang	C.S. Chang	J.F. Lin	5W2S(3.8*4.2) 5HW024RB3

TEMWELL CORPORATION

Performance-TDW2424A-440M

20207005DC

▷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 440.000 MHz

Span 200.000 MHz

1:Mkr (MHz)	dB	2:Mkr (MHz)	dB
1> 440.0000	-17.676	1> 440.0000	-2.818
2: 450.8000	-4.882	2: 450.8000	-5.812
3: 428.8667	-4.879	3: 428.8667	-5.873
4: 390.0000	-0.637	4: 390.0000	-23.703
5: 490.0000	-0.532	5: 490.0000	-30.640