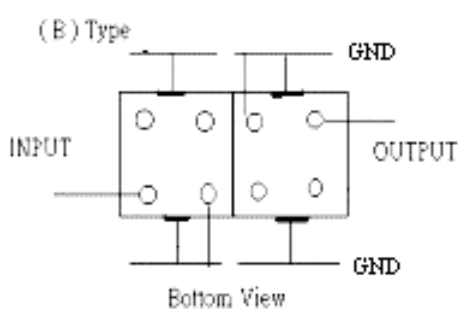
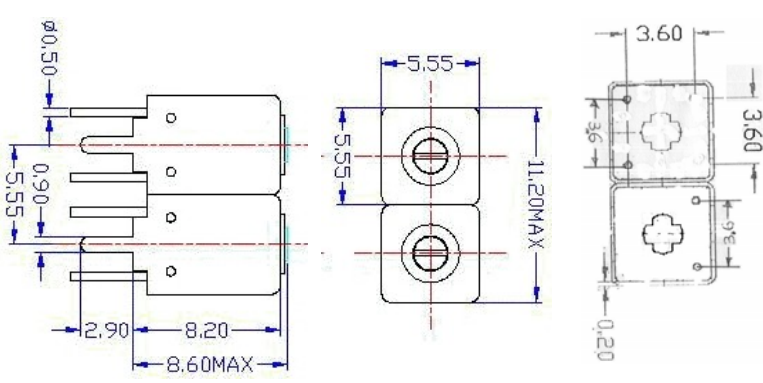


VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TDW2434B-420M
Approval No. /dated	20111003DC	Acceptable Specify Fo. Range	401~450MHz
Work Instruction No.	20111003DC	Date	Nov.21.2001

(1)Pin Position	(2)Size Diagram
 <p>(B) Type INPUT OUTPUT GND GND Bottom View</p>	 <p>Dimensions: $\phi 0.50$, 0.90, 5.55, 2.90, 8.20, 8.60MAX, 5.55, 5.55, 11.20MAX, 3.60, 3.60, 0.20</p>

(3)Electric Character

Item	Specify	Performance	
Center Freq.(Fo) +/- 0.5 %	420 MHz	420 MHz	
Tunable Range:	420±5 MHz	420±5 MHz	
Insertion Loss	Typ. 5.0 dB	4.2 dB	
-3 dB Bandwidth	Typ. 7 MHz	11.7 MHz	
Sensitivity (Attenuation)	Fo - 20 MHz	Typ. 20 dBc	23 dBc
	Fo + 20 MHz	Typ. 15 dBc	18 dBc
	Fo - ()MHz	Typ. dBc	dBc
	Fo +()MHz	Typ. dBc	dBc
Return Loss	Min. 12 dB	17.5 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

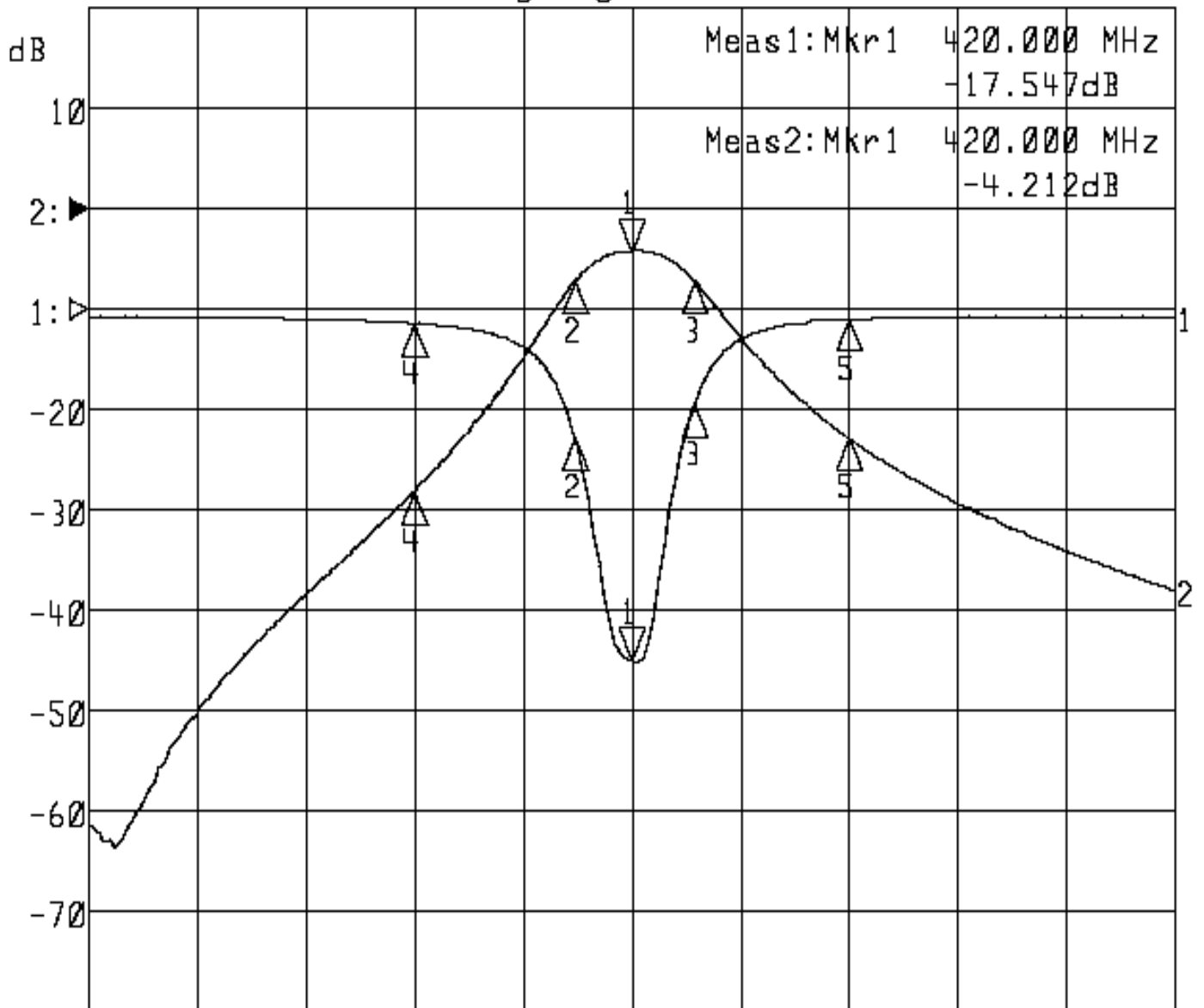
Approval	Supervisor	Designer	Aperture size
C.Y. Chang	C.S. Chang	C.S. Chang	5W2S(3.8*3.7) 5HW024RB3

TEMWELL CORPORATION

Performance-TDW2434B-420M

20111003DC

▶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 420.000 MHz

Span 100.000 MHz

1:Mkr (MHz)	dB	2:Mkr (MHz)	dB
1> 420.0000	-17.547	1> 420.0000	-4.212
2: 414.8000	-6.413	2: 414.8000	-7.200
3: 425.7333	-4.747	3: 425.7333	-7.141
4: 400.0000	-0.715	4: 400.0000	-28.139
5: 440.0000	-0.521	5: 440.0000	-22.854