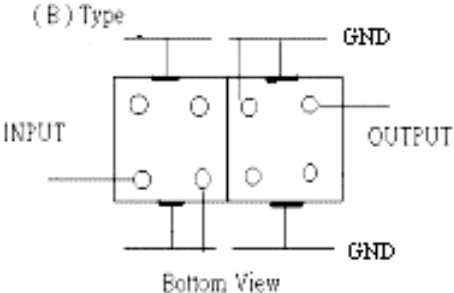
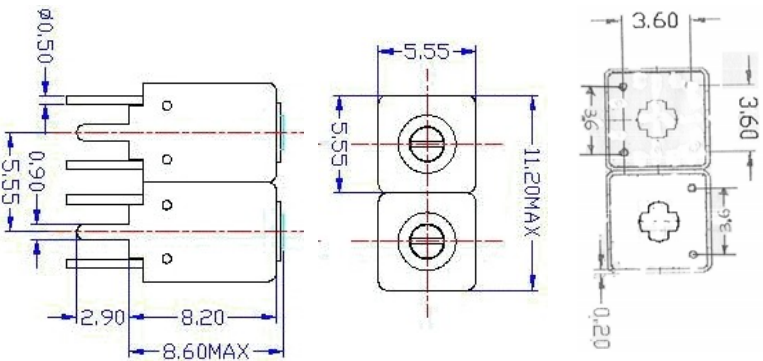


VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TDW2502B-775M
Approval No. /dated	20111046DC	Acceptable Specify Fo. Range	751~800MHz
Work Instruction No.	20111046DC	Date	Nov.15.2001

(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, 9.6, 0.20</p>

(3)Electric Character

Item	Specify	Performance	
Center Freq.(Fo) +/- 0.5 %	775 MHz	775 MHz	
Tunable Range:	775±5 MHz	775±5 MHz	
Insertion Loss	Typ. 3.0 dB	2.32 dB	
-3 dB Bandwidth	Typ. 29 MHz	32.8 MHz	
Sensitivity (Attenuation)	Fo - 50 MHz	Typ. 17 dBc	20 dBc
	Fo + 50 MHz	Typ. 11 dBc	14 dBc
	Fo - ()MHz	Typ. dBc	dBc
	Fo +()MHz	Typ. dBc	dBc
Return Loss	Min. 12 dB	17.1 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 > 0.5Watt

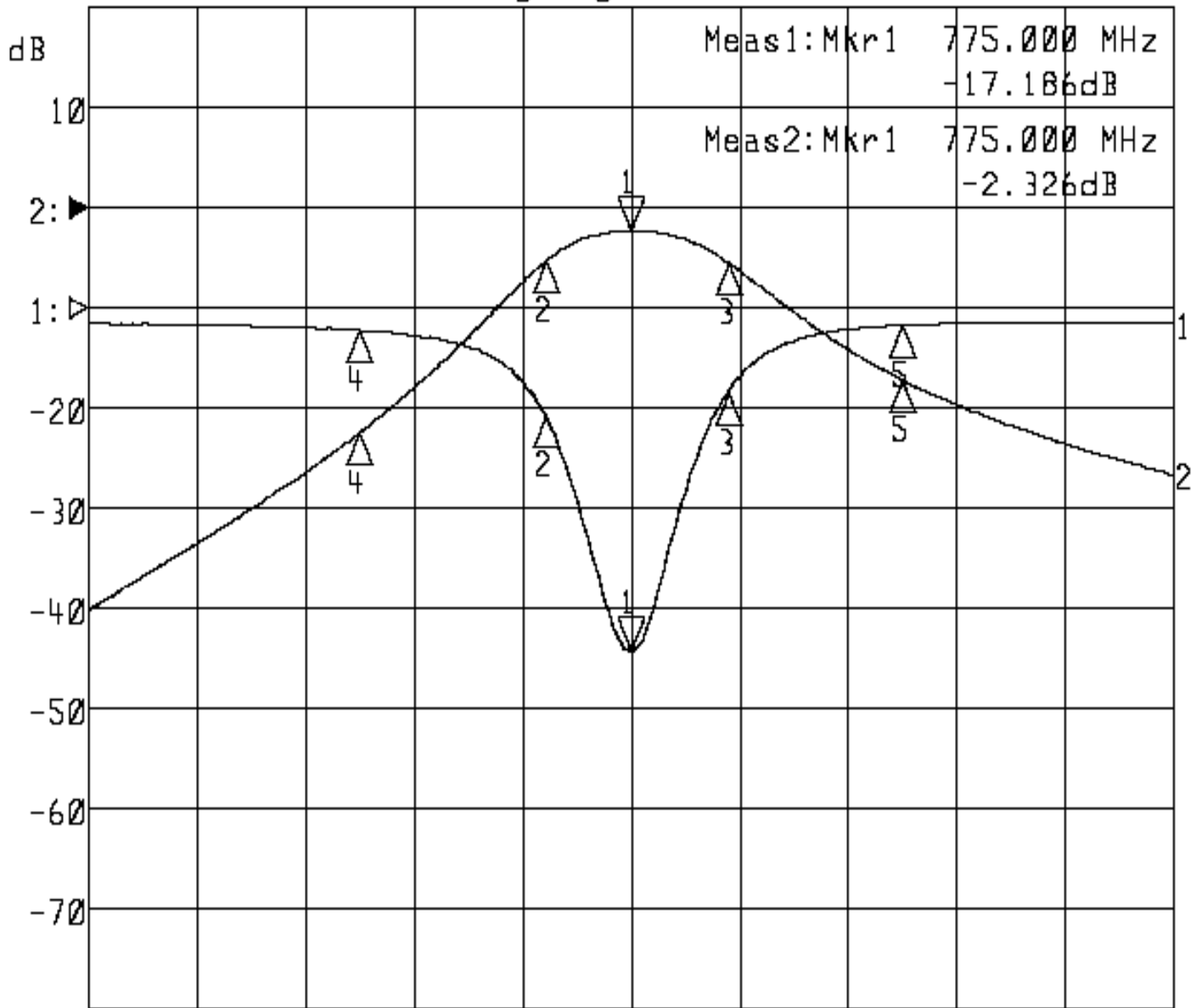
Approval	Supervisor	Designer	Aperture size
C.Y. Chang	C.S. Chang	Enlan	5W2S(3.8*4.2) 5HW024RB3

TEMWELL CORPORATION

Performance-TDW2502B-775M

20111046DC

▶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 775.000 MHz

Span 200.000 MHz

1: Mkr (MHz)	dB	2: Mkr (MHz)	dB
1> 775.0000	-17.186	1> 775.0000	-2.326
2: 759.2667	-5.406	2: 759.2667	-5.331
3: 792.8000	-4.190	3: 792.8000	-5.410
4: 725.0000	-1.141	4: 725.0000	-22.507
5: 825.0000	-0.864	5: 825.0000	-17.127