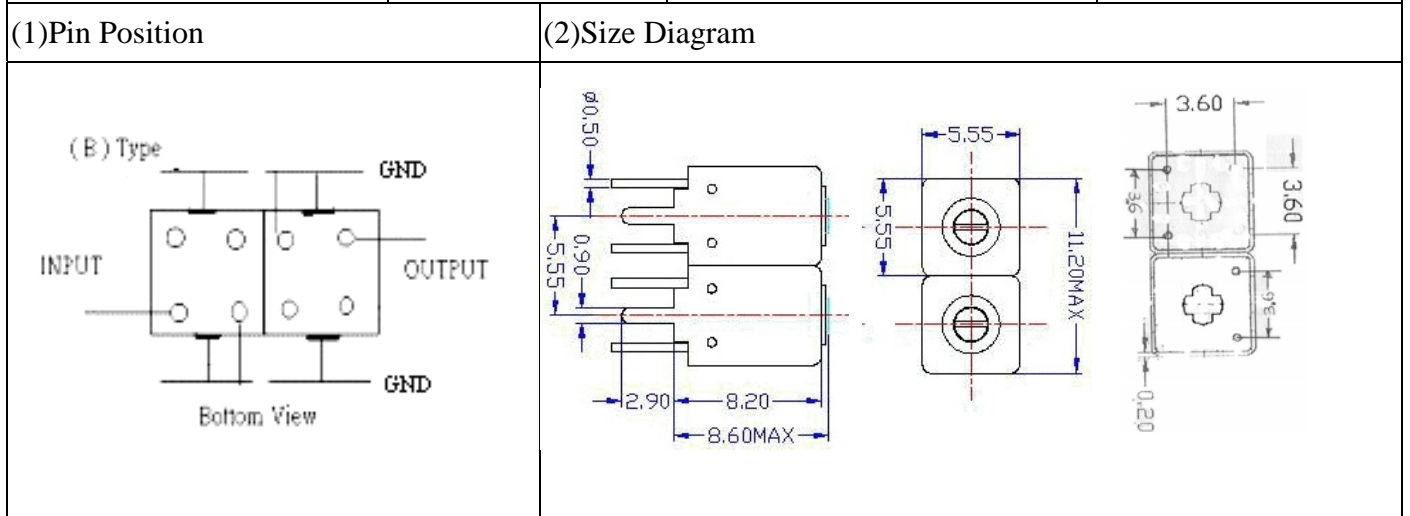


# VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TDW2455B-540M
Approval No. /dated	20112011DC	Acceptable Specify Fo. Range	501~550MHz
Work Instruction No.	20112011DC	Date	Dec.07.2001



(3) Electric Character

Item	Specify	Performance	
Center Freq.(Fo ) +/- 0.5 %	540 MHz	540 MHz	
Tunable Range:	540±5 MHz	540±5 MHz	
Insertion Loss	Typ. 3.5 dB	2.76 dB	
-3 dB Bandwidth	Typ. 15 MHz	19.3 MHz	
Sensitivity (Attenuation)	Fo - 50 MHz	Typ. 32 dBc	35 dBc
	Fo + 50 MHz	Typ. 23 dBc	26 dBc
	Fo - ( )MHz	Typ. dBc	dBc
	Fo +( )MHz	Typ. dBc	dBc
Return Loss	Min. 12 dB	19.2 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

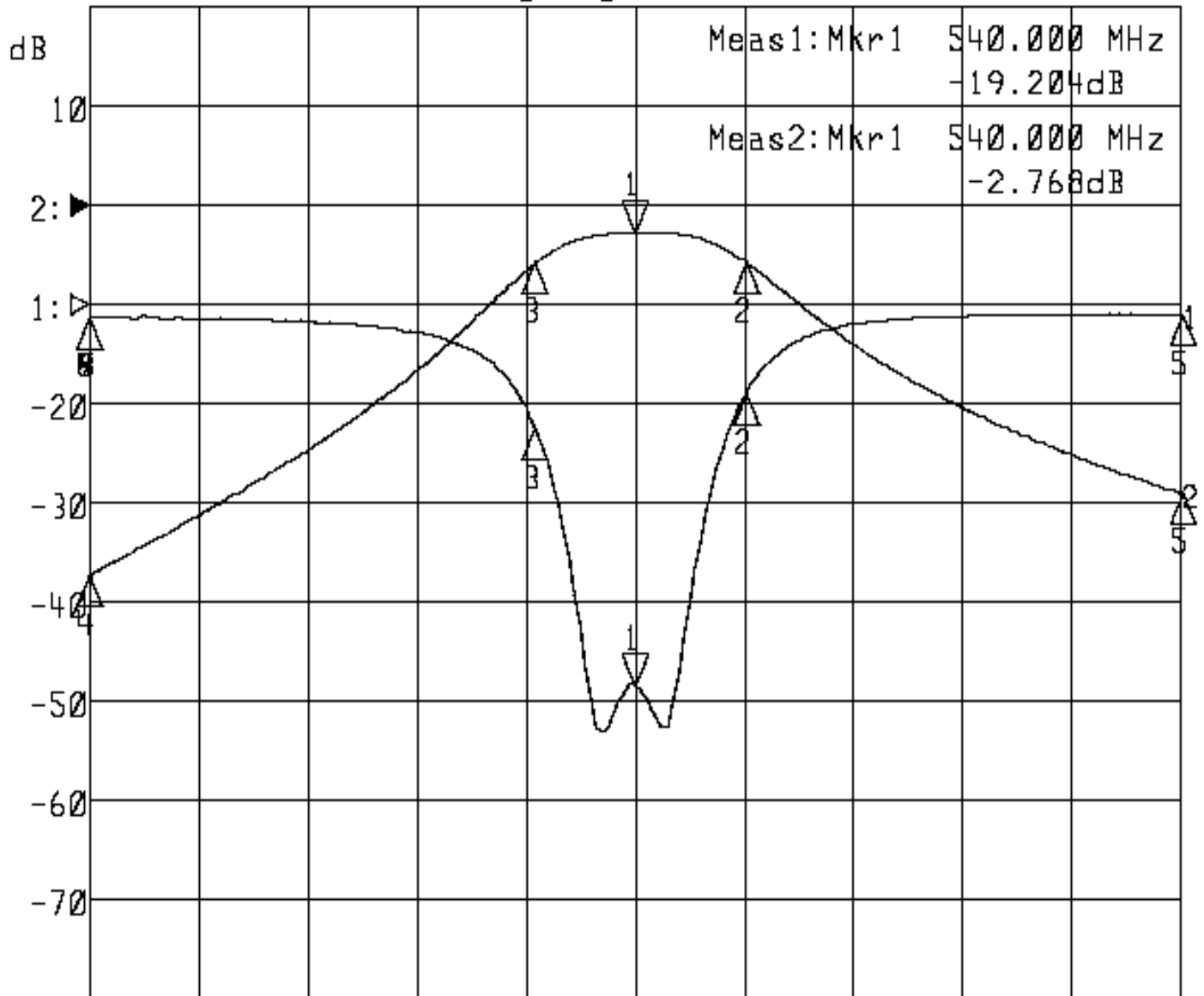
Approval	Supervisor	Designer	Aperture size
C.Y. Chang	C.S. Chang	J.F. Lin	5W2S(3.8*4.2) 5HW024RB3

TEMWELL CORPORATION

# Performance-TDW2455B-540M

## 20112011DC

▷1:S22 Refl Port2 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 540.000 MHz

Span 100.000 MHz

1: Mkr (MHz)	dB	2: Mkr (MHz)	dB
1> 540.0000	-19.204	1> 540.0000	-2.768
2: 550.1333	-4.488	2: 550.1333	-5.683
3: 530.8667	-6.217	3: 530.8667	-5.797
4: 490.0000	-0.636	4: 490.0000	-37.361
5: 590.0000	-0.543	5: 590.0000	-29.083
6: 490.0000	-0.636		
7: 490.0000	-0.636		
8: 490.0000	-0.636		