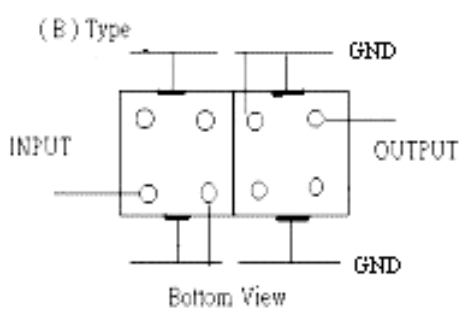
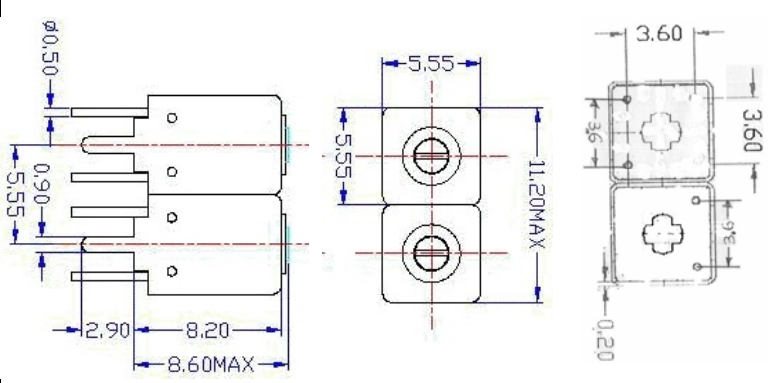


# VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TDW2454B-540M
Approval No. /dated	20112009DC	Acceptable Specify Fo. Range	501~550MHz
Work Instruction No.	20112009DC	Date	Dec.07.2001

(1)Pin Position	(2)Size Diagram
 <p>(B) Type INPUT      OUTPUT GND      GND Bottom View</p>	 <p>Dimensions: <math>\phi 0.50</math>, 0.90, 5.55, 2.90, 8.20, 8.60MAX, 5.55, 5.55, 11.20MAX, 3.60, 3.60, 9.75, 0.20</p>

### (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. 4.5 dB	3.46 dB	
-3 dB Bandwidth	Typ. 7 MHz	12.2 MHz	
Sensitivity (Attenuation )	Fo - 50 MHz	Typ. 48 dBc	51 dBc
	Fo + 50 MHz	Typ. 27 dBc	30 dBc
	Fo - ( )MHz	Typ. dBc	dBc
	Fo +( )MHz	Typ. dBc	dBc
Return Loss	Min. 12 dB	26.5 dB	
Ripple	< 1 dB	dB	
Impedance	In / Out : 50 Ω	In / Out : 50 Ω	

(4)Torque for Tuning Screw	> 60gf • cm
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### (5)Temperature Condition:

Operating Temperature	0°C ~ +60°C
Storage Temperature	-20°C ~ +70°C
(6)Input Power	> 0.5Watt

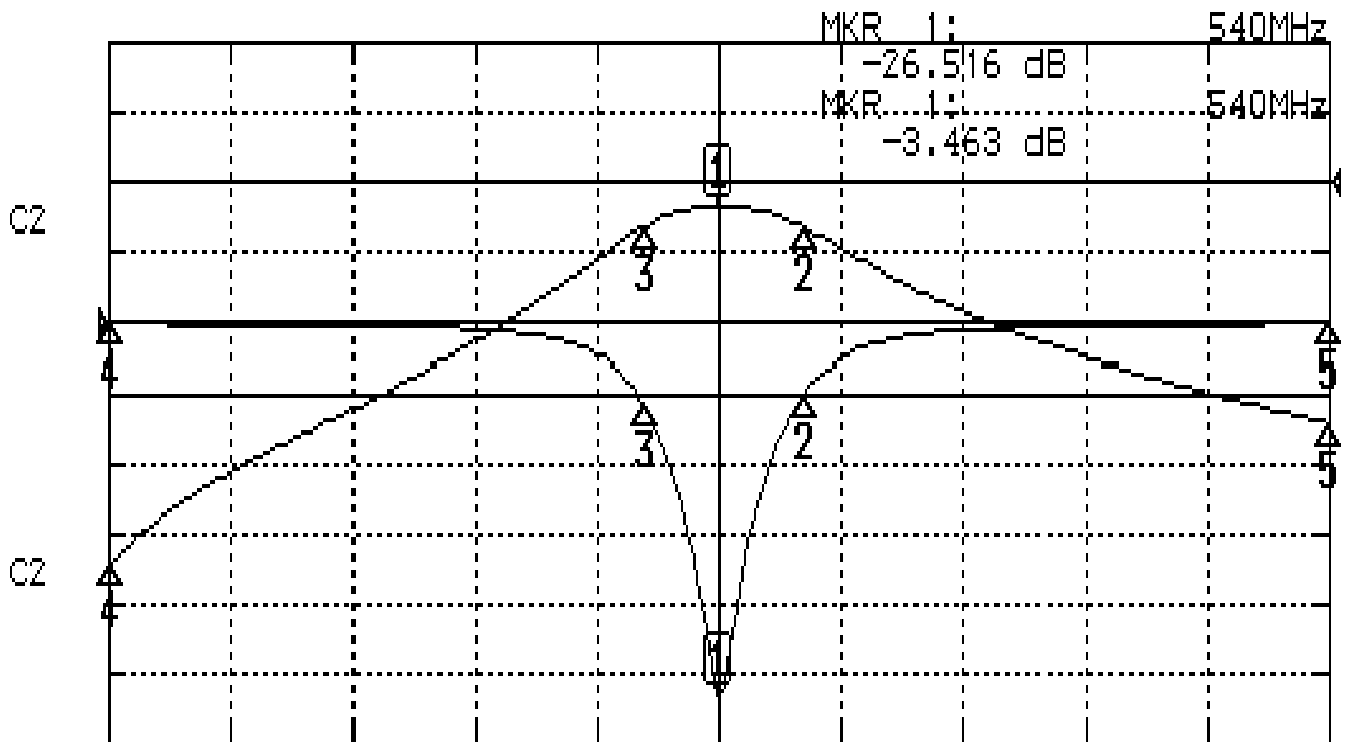
Approval	Supervisor	Designer	Aperture size
C.Y. Chang	C.S. Chang	J.F. Lin	5W2S(3.8*3.7) 5HW024RB3

TEMWELL CORPORATION

# Performance-TDW2454B-540M

## 20112009DC

**CH1** S11      LOG MAG      REF 0.000 dB      5.000 dB/  
**CH2** S21      LOG MAG      REF 0.000 dB      10.000 dB/



CENTER 540MHz

[ 10.00 dBm ]

SPAN 100MHz

### CH1 MARKER LIST

Marker	Frequency (MHz)	Value (dB)
1	540.0000	-26.516
2	547.0000	-14.968
3	533.8333	-15.672
4	490.0000	-0.131
5	590.0000	-0.130

### CH2 MARKER LIST

Marker	Frequency (MHz)	Value (dB)
1	540.0000	-3.464
2	547.0000	-6.453
3	533.8333	-6.420
4	490.0000	-54.424
5	590.0000	-33.919