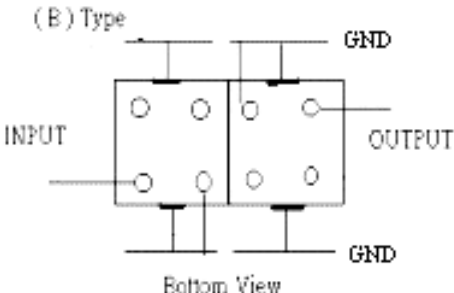
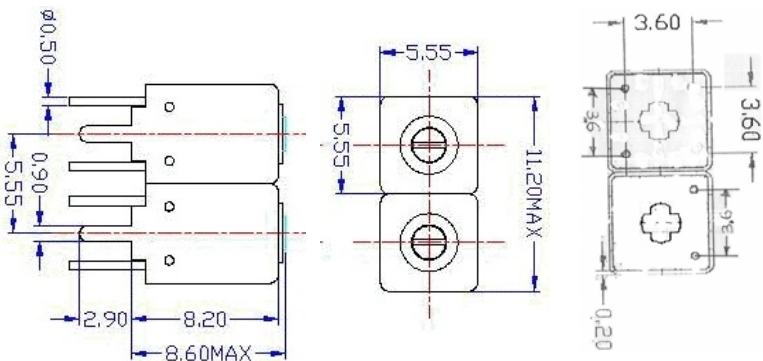


# VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TDW2461B-580M
Approval No. /dated	20112028DC	Acceptable Specify Fo. Range	551~600MHz
Work Instruction No.	20112028DC	Date	Nov.19.2001

<p>(1)Pin Position</p>  <p style="text-align: center;">Bottom View</p>	<p>(2)Size Diagram</p> 
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(3)Electric Character

Item	Specify	Performance	
Center Freq.(Fo ) +/- 0.5 %	580 MHz	580 MHz	
Tunable Range:	580±5 MHz	580±5 MHz	
Insertion Loss	Typ. 3.5 dB	2.91 dB	
-3 dB Bandwidth	Typ. 12 MHz	18.4 MHz	
Sensitivity (Attenuation)	Fo - 50 MHz	Typ. 29 dBc	32 dBc
	Fo + 50 MHz	Typ. 20 dBc	23 dBc
	Fo - ( )MHz	Typ. dBc	dBc
	Fo +( )MHz	Typ. dBc	dBc
Return Loss	Min. 12 dB	17.4 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
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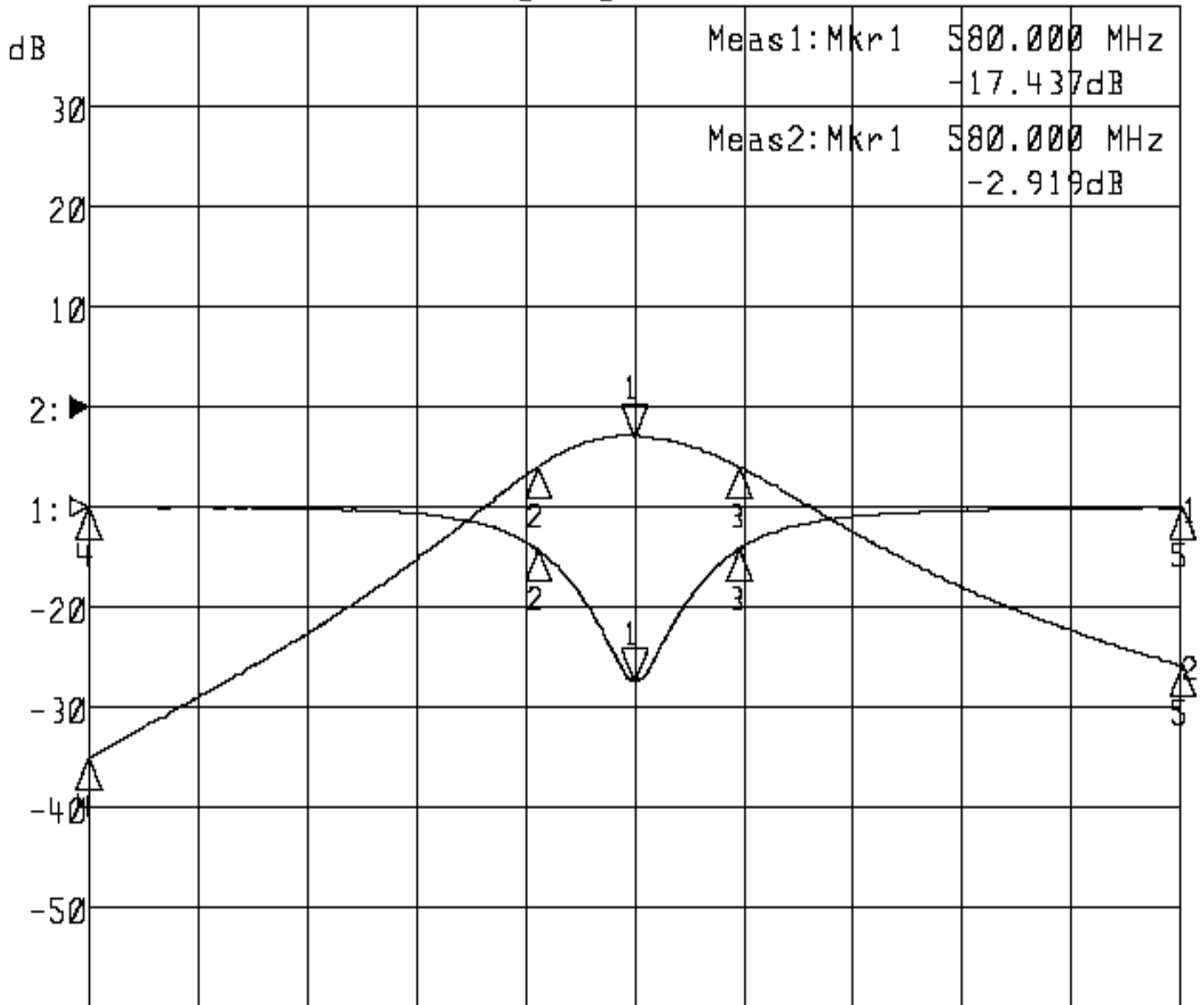
Approval	Supervisor	Designer	Aperture size
C.Y. Chang	C.S. Chang	C.S. Chang	5W2S(3.8*3.7) 5HW024RB3

TEMWELL CORPORATION

# Performance-TDW2461B-580M

## 20112028DC

▶1:S11 Refl Port1 Log Mag 10.0 dB/ Ref 0.00 dB C  
 ▶2:S21 Fwd Trans Log Mag 10.0 dB/ Ref 0.00 dB C



Center 580.000 MHz

Span 100.000 MHz

1: Mkr (MHz)	dB	2: Mkr (MHz)	dB
1> 580.0000	-17.437	1> 580.0000	-2.919
2: 571.1667	-4.300	2: 571.1667	-5.990
3: 589.5333	-4.204	3: 589.5333	-5.933
4: 530.0000	-0.060	4: 530.0000	-35.094
5: 630.0000	-0.118	5: 630.0000	-25.812