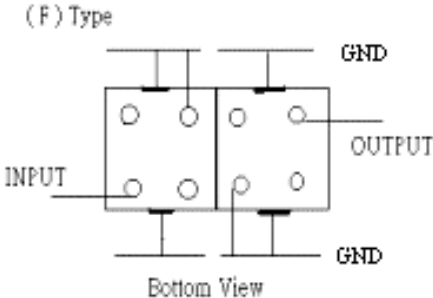
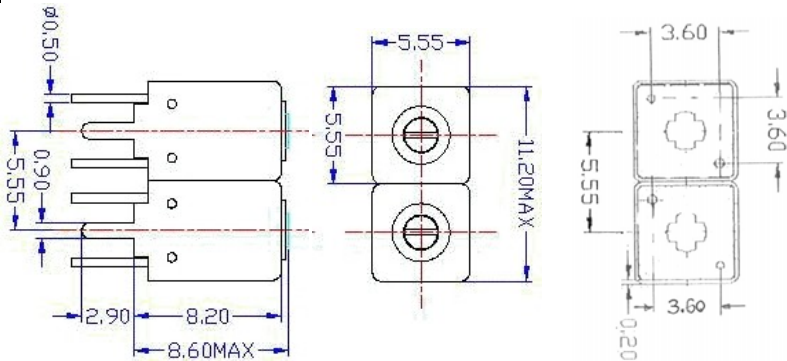


# VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TDW2547F-1950M
Approval No. /dated	20407032DC	Acceptable Specify Fo. Range	1901~1950MHz
Work Instruction No.	20407032DC	Date	June.23.2004

(1)Pin Position	(2)Size Diagram
 <p>(F) Type GND INPUT OUTPUT 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, 0.20</p>

### (3)Electric Character

Item	Specify	Performance	
Center Freq.(Fo) +/- 0.5 %	1950 MHz	1950 MHz	
Tunable Range:	1950±5 MHz	1950±5 MHz	
Insertion Loss	Typ. 2.5 Db	1.79 dB	
-3 dB Bandwidth	Typ. 73 MHz	83 MHz	
Sensitivity (Attenuation)	Fo - 200 MHz	Typ. 21 dBc	24 dBc
	Fo + 200 MHz	Typ. 23 dBc	26 dBc
	Fo - ( )MHz	Typ. dBc	dBc
	Fo +( )MHz	Typ. dBc	dBc
Return Loss	Min. 12 dB	31.4 dB	
Ripple	< 1 dB	dB	
Impedance	In / Out : 50 Ω	In / Out : 50 Ω	
(4)Torque for Tuning Screw	> 60gf • cm		

### (5)Temperature Condition:

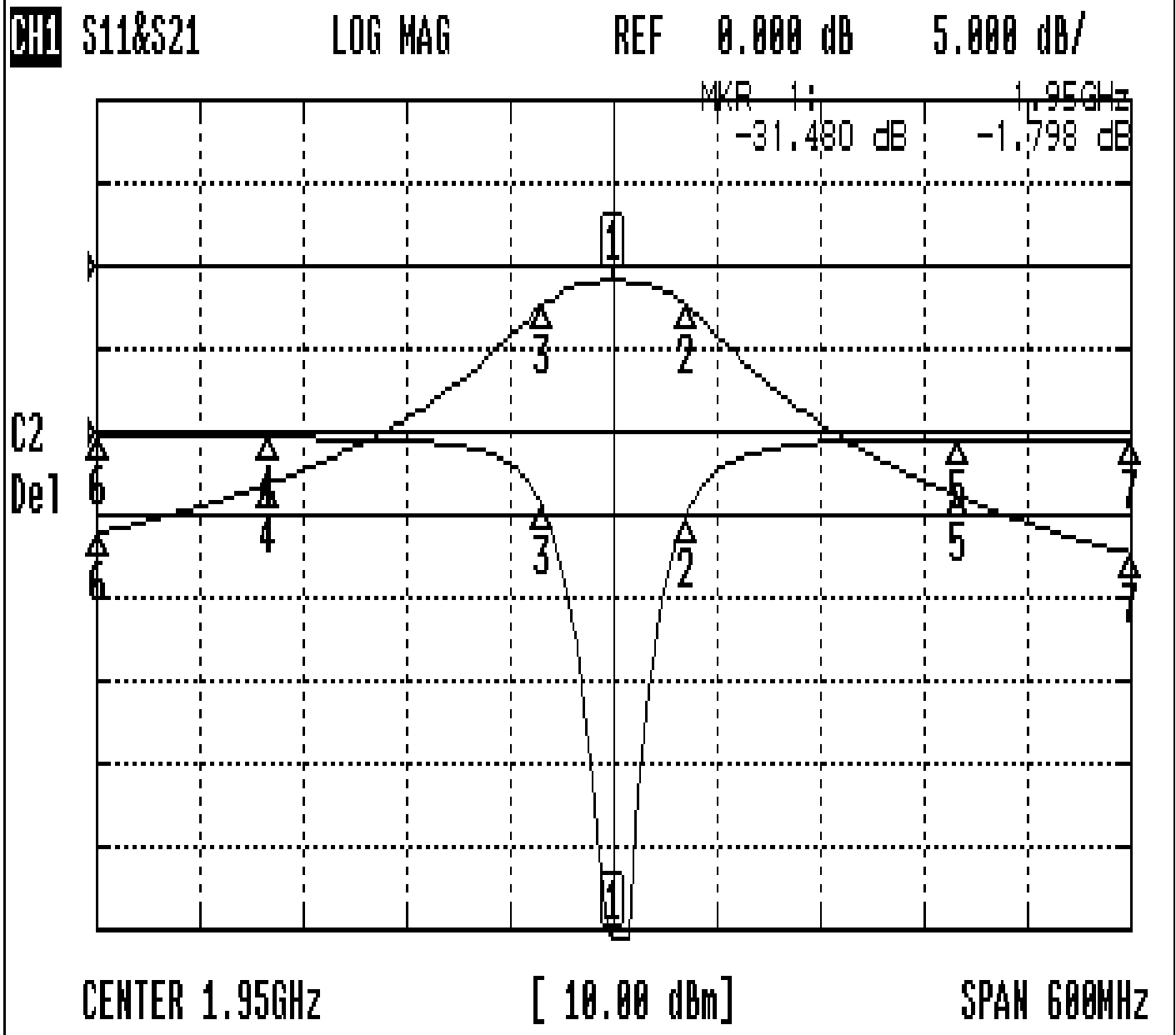
Operating Temperature	0°C ~ +60°C
Storage Temperature	-20°C ~ +70°C
(6)Input Power	> 0.5Watt

Approval	Supervisor	Designer	Aperture size
C.Y. Chang	C.S. Chang	C.S. Chang	5W2S(3.8*3.5)(3.8*3.6) 5HW046RB3.2

TEMWELL CORPORATION

# Performance- TDW2547F-1950M

## 20407032DC



### CH1 MARKER LIST

1:	1.950 000GHz	-31.480 dB	-1.798 dB
2:	1.992 000GHz	-5.160 dB	-4.733 dB
3:	1.909 000GHz	-4.545 dB	-4.764 dB
4:	1.750 000GHz	-0.308 dB	-26.202 dB
5:	2.150 000GHz	-0.462 dB	-27.808 dB
6:	1.650 000GHz	-0.264 dB	-32.270 dB
7:	2.250 000GHz	-0.594 dB	-34.594 dB