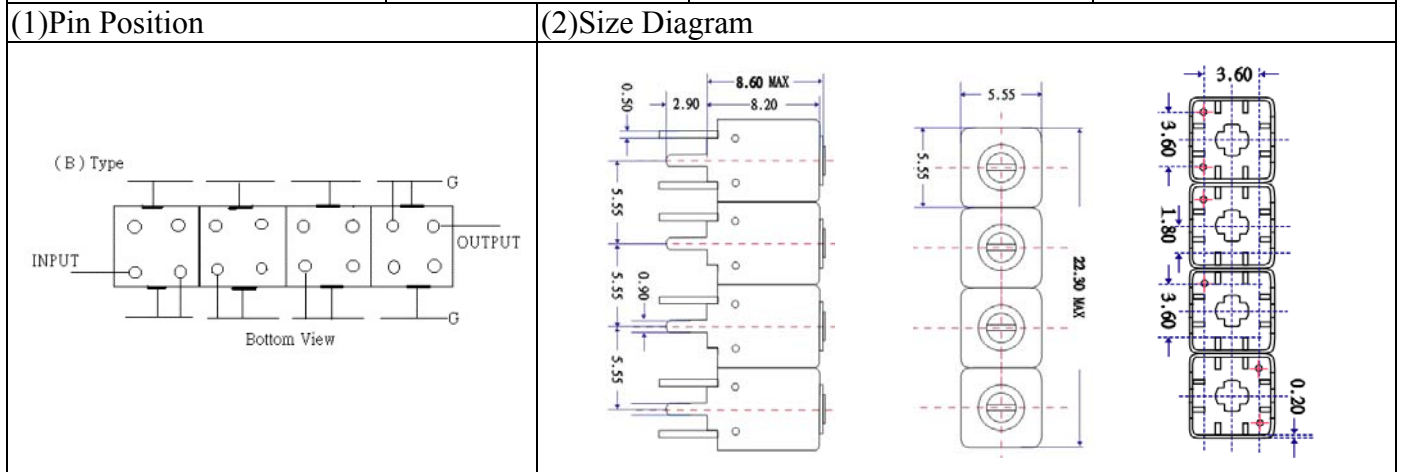


# VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TFW4909B-575M
Approval No. /dated	201801061CD	Temwell's Print name	4909B 575M
Work Instruction No.	201801061CD	Date	Feb.23.2018



(3) Electric Characteristic

Item	Specify	Performance	
Center Freq.(Fo) +/- 0.5 %	575 MHz	575 MHz	
Insertion Loss	Typ. 3.5 dB	2.73 dB	
-3 dB Bandwidth	Typ. 40 MHz	44.8 MHz	
Sensitivity (Attenuation)	Fo - 50 MHz	Typ. 25 dBc	30 dBc
	Fo + 50 MHz	Typ. 21 dBc	26 dBc
	Fo - ( )MHz	Typ. dBc	dBc
	Fo +( )MHz	Typ. dBc	dBc
Return Loss	Min. 12 dB	30.8 dB	
Ripple	< 1 dB	dB	
Impedance	In / Out : 50 Ω	In / Out : 50 Ω	
(4) Torque for Tuning Screw	> 60gf · cm		

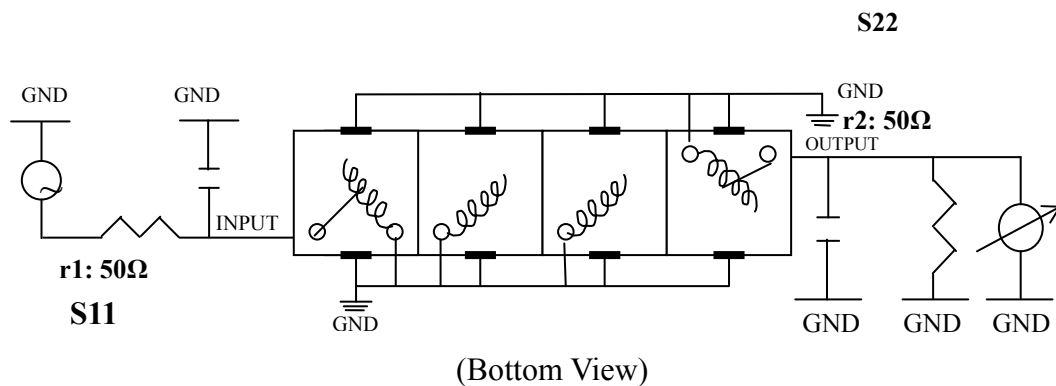
(5) Temperature Condition:

Operating Temperature	0°C ~ +60°C
Storage Temperature	-20°C ~ +70°C

(6) Input Power

	> 0.5Watt
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(7) Measuring Circuit: ※Easy to match Impedance S11/S22 50Ω by parallel with about(- -).

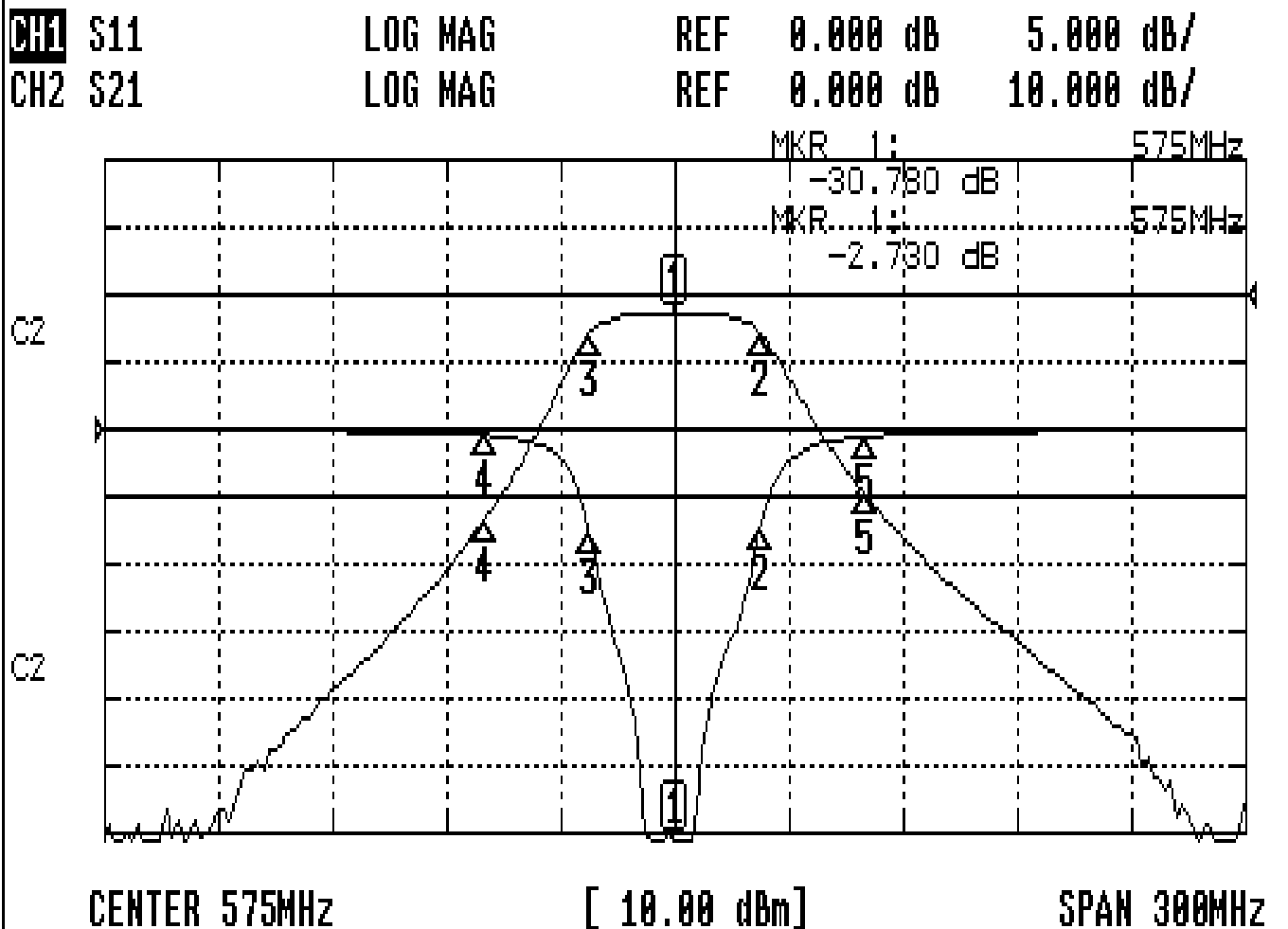


Approval	Supervisor	Designer	Aperture size
C.Y.Chang	C.K.Chang	C.H.Yeh	5W4S(3.8*3.5)(3.59) 5HW020LB4.5

TEMWELL CORPORATION

# Performance-TFW4909B-575M

## 201801061CD



### CH1 MARKER LIST

1:	575.000MHz	-30.804 dB
2:	597.500MHz	-7.432 dB
3:	552.680MHz	-7.574 dB
4:	525.000MHz	-0.429 dB
5:	625.000MHz	-0.549 dB

### CH2 MARKER LIST

1:	575.000MHz	-2.730 dB
2:	597.500MHz	-7.722 dB
3:	552.680MHz	-7.720 dB
4:	525.000MHz	-33.606 dB
5:	625.000MHz	-29.590 dB