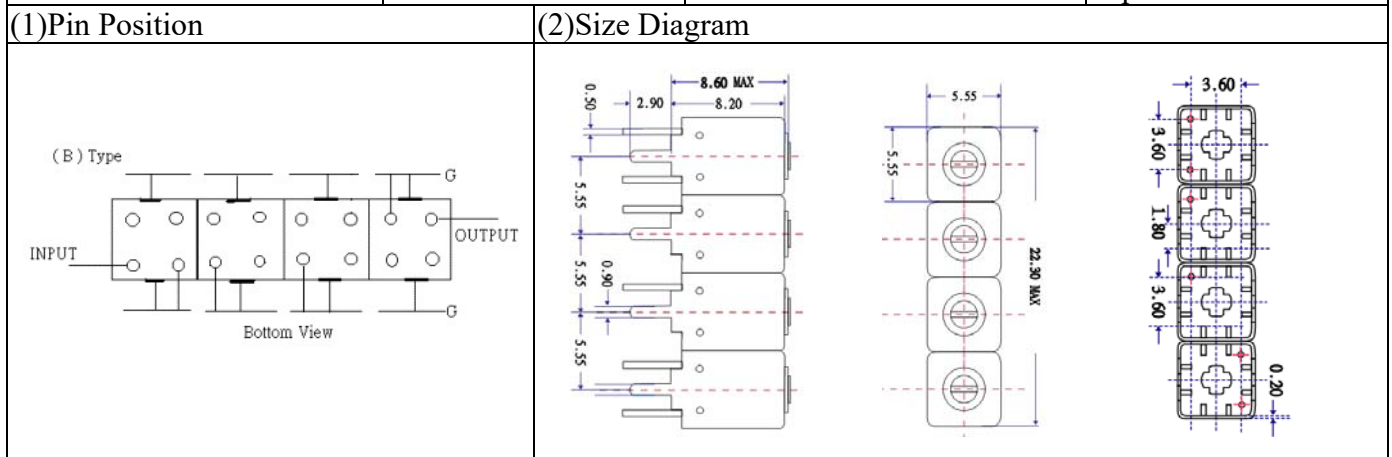


# VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TFW4840B-2450M
Approval No. /dated		Temwell's Print name	4840B 2450M
Work Instruction No.	202007061CD	Date	Sep.4.2020



(3) Electric Characteristic

Item	Specify	Performance	
Center Freq.(Fo) +/- 0.5 %	2450 MHz	2450 MHz	
Insertion Loss	Typ. 3.5 dB	2.46 dB	
-3 dB Bandwidth	Typ. 168 MHz	178.9 MHz	
Sensitivity (Attenuation)	Fo - 300 MHz	Typ. 45 dBc	50 dBc
	Fo + 300 MHz	Typ. 32 dBc	37 dBc
	Fo - ( )MHz	Typ. dBc	dBc
	Fo +( )MHz	Typ. dBc	dBc
Return Loss	Min. 12 dB	26.0 dB	
Ripple	< 1 dB	dB	
Impedance	In / Out : 50 Ω	In / Out : 50 Ω	

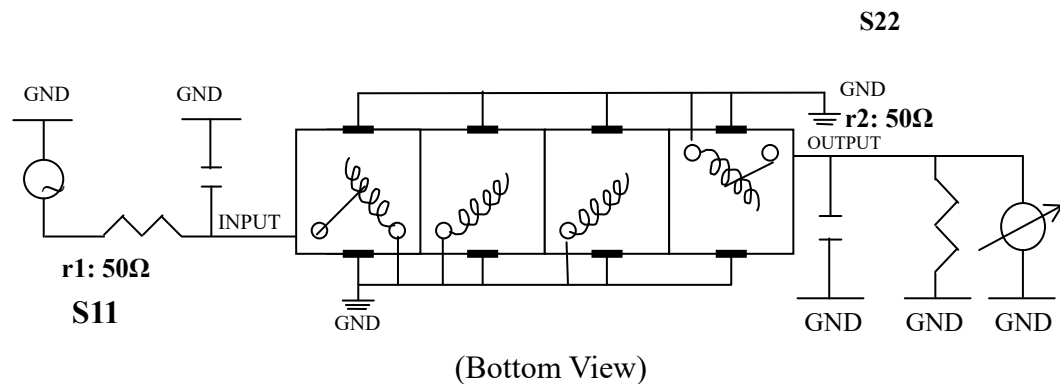
(4) Torque for Tuning Screw > 60gf · cm

(5) Temperature Condition:

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

(6) Input Power > 0.5Watt

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



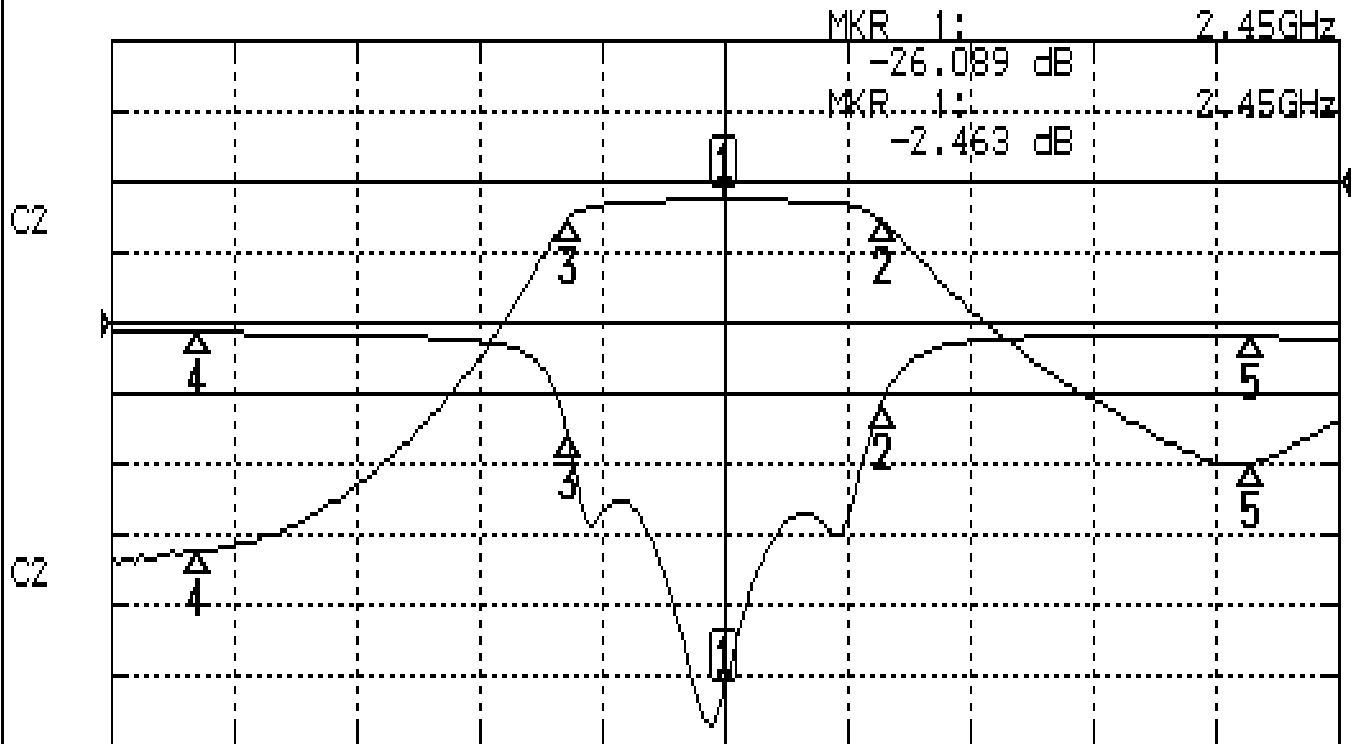
Approval	Supervisor	Designer	Aperture size
C.C.Chang	C.K.Chang	C.H.Yeh	5W4S(3.8*5.1)(5.13) 5HW046RB3.2 (J1)

TEMWELL CORPORATION

# Performance-TFW4840B-2450M

## 202007061CD

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



CENTER 2.45GHz

[ 10.00 dBm ]

SPAN 700MHz

### CH1 MARKER LIST

Marker	Freq (GHz)	Magnitude (dB)
1	2.450 000	-26.089
2	2.539 700	-5.658
3	2.360 750	-7.932
4	2.150 000	-0.675
5	2.750 000	-0.979

### CH2 MARKER LIST

Marker	Freq (GHz)	Magnitude (dB)
1	2.450 000	-2.463
2	2.539 700	-5.478
3	2.360 750	-5.464
4	2.150 000	-2.575
5	2.750 000	-39.858