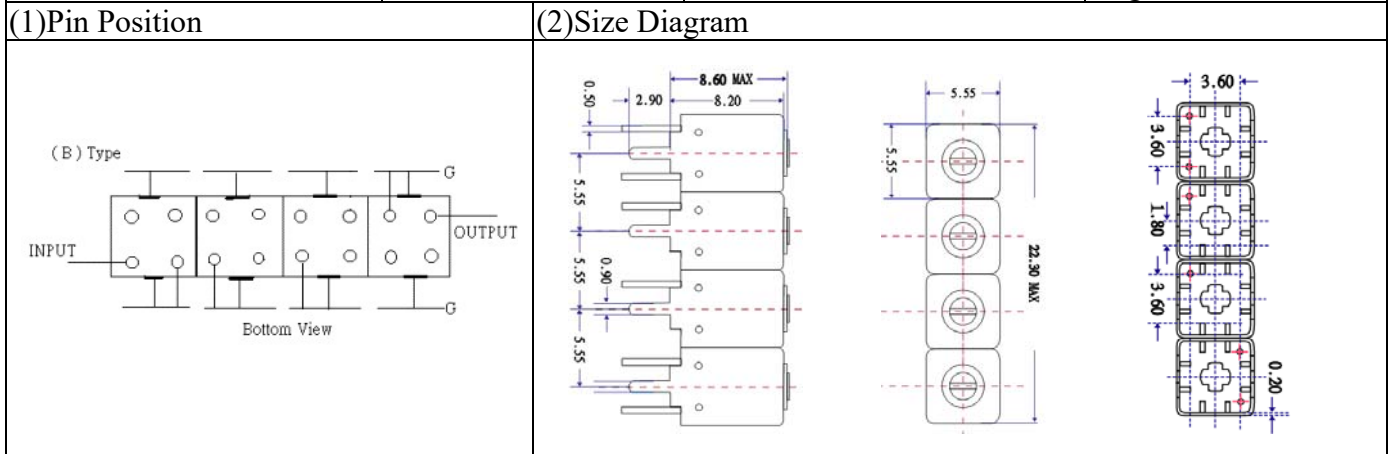


# VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TFW4834B-2400M
Approval No. /dated		Temwell's Print name	4834B 2400M
Work Instruction No.	202007057CD	Date	Aug.20.2020



### (3) Electric Characteristic

Item	Specify	Performance
Center Freq.(Fo) +/- 0.5 %	2400 MHz	2400 MHz
Insertion Loss	Typ. 3.5 dB	2.19 dB
-3 dB Bandwidth	Typ. 180 MHz	188.5 MHz
Sensitivity (Attenuation)	Fo - 300 MHz	Typ. 58 dBc
	Fo + 300 MHz	Typ. 34 dBc
	Fo - ( )MHz	Typ. dBc
	Fo +( )MHz	Typ. dBc
Return Loss	Min. 12 dB	22.3 dB
Ripple	< 1 dB	dB
Impedance	In / Out : 50 Ω	In / Out : 50 Ω

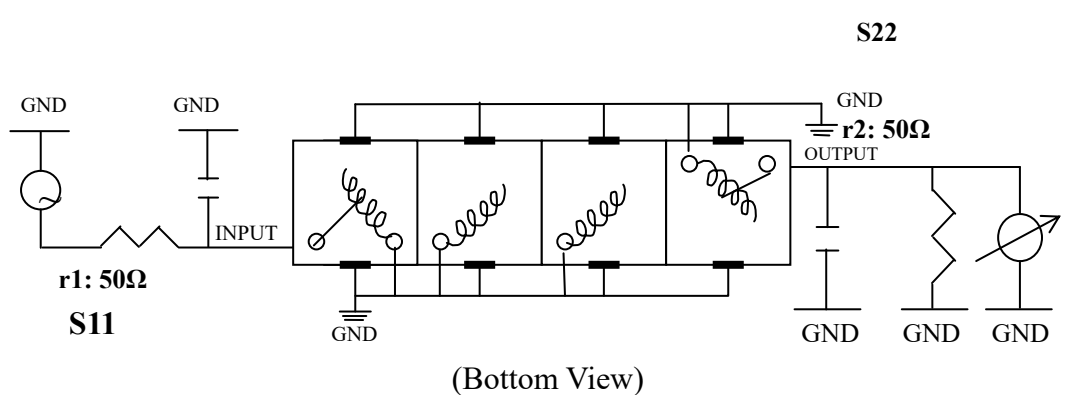
(4) Torque for Tuning Screw > 60gf · cm

(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(- -).



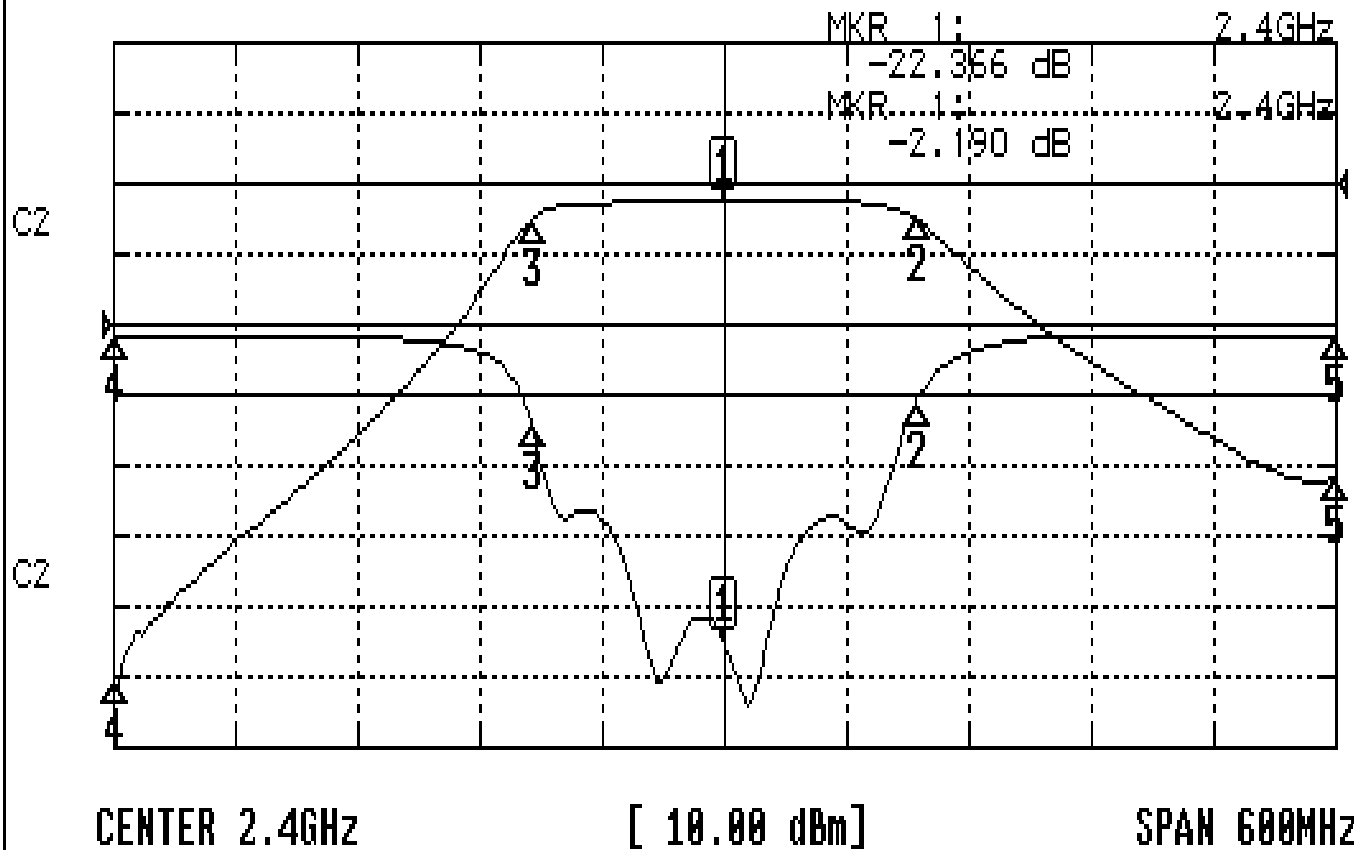
Approval	Supervisor	Designer	Aperture size
C.C.Chang	C.K.Chang	C.H.Yeh	5W4S(3.8*5.1)(5.12) 5HW046RB3.2 (J1)

TEMWELL CORPORATION

# Performance-TFW4834B-2400M

## 202007057CD

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



### CH1 MARKER LIST

Marker	Freq (GHz)	Magnitude (dB)
1	2.400 000	-22.366
2	2.494 500	-5.566
3	2.306 000	-7.083
4	2.100 000	-0.776
5	2.700 000	-0.828

### CH2 MARKER LIST

Marker	Freq (GHz)	Magnitude (dB)
1	2.400 000	-2.190
2	2.494 500	-5.187
3	2.306 000	-5.154
4	2.100 000	-70.726
5	2.700 000	-41.861