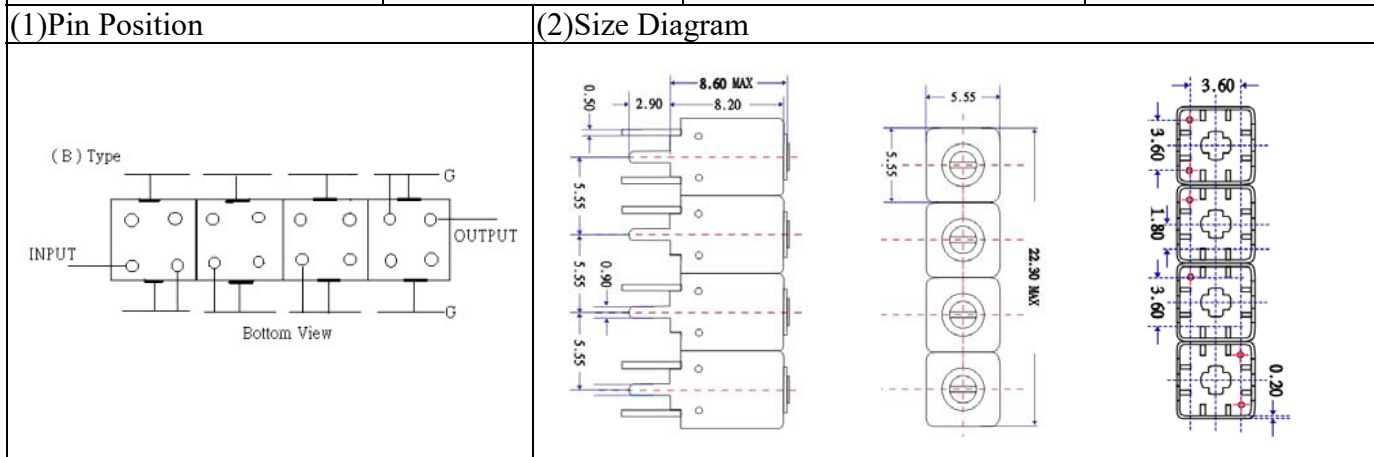


VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TFW4548B-1960M
Approval No. /dated		Temwell's Print name	4548B 1960M
Work Instruction No.	202006009CD	Date	Jun.30.2020



(3)Electric Charasteric

Item	Specify	Performance	
Center Freq.(Fo) +/- 0.5 %	1960 MHz	1960 MHz	
Insertion Loss	Typ. 5.0 dB	3.82 dB	
-3 dB Bandwidth	Typ. 55 MHz	62.6 MHz	
Sensitivity (Attenuation)	Fo - 100 MHz	Typ. 46 dBc	51 dBc
	Fo + 100 MHz	Typ. 28 dBc	33 dBc
	Fo - ()MHz	Typ. dBc	dBc
	Fo +()MHz	Typ. dBc	dBc
Return Loss	Min. 12 dB	24.3 dB	
Ripple	< 1 dB	dB	
Impedance	In / Out : 50 Ω	In / Out : 50 Ω	

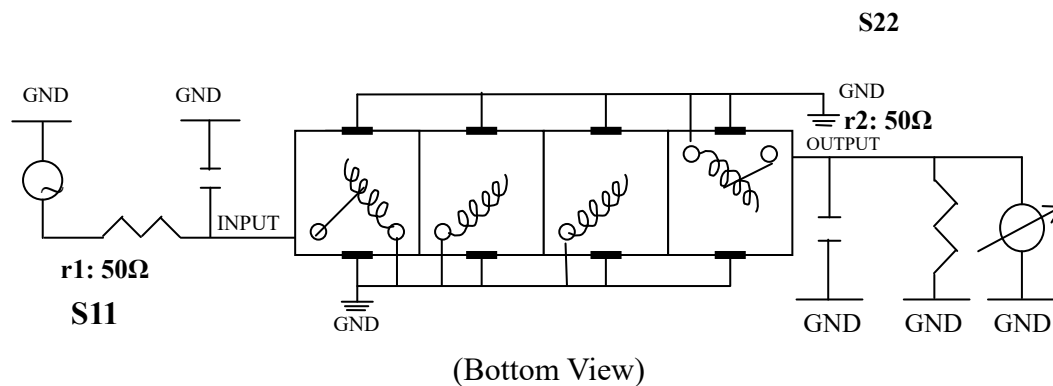
(4)Torque for Tuning Screw > 60gf · cm

(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(- -).



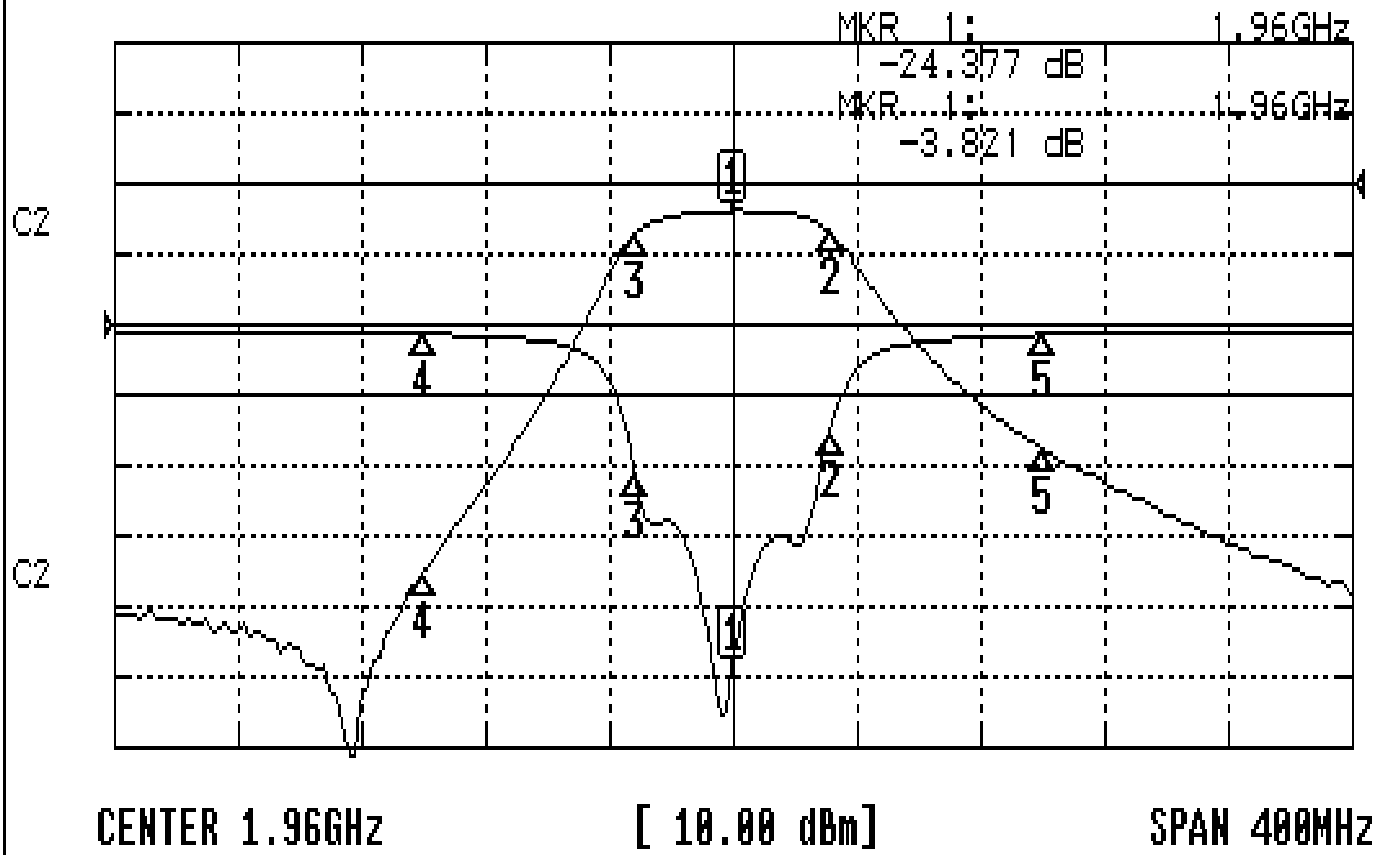
Approval	Supervisor	Designer	Aperture size
C.C.Chang	C.K.Chang	C.H.Yeh	5W4S(3.8*4.5)(4.53) 5HW046RB3.2 (J1)

TEMWELL CORPORATION

Performance-TFW4548B-1960M

202006009CD

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

1:	1.960	000GHz	-24.355	dB
2:	1.991	333GHz	-7.644	dB
3:	1.928	666GHz	-10.705	dB
4:	1.860	000GHz	-0.694	dB
5:	2.060	000GHz	-0.719	dB

CH2 MARKER LIST

1:	1.960	000GHz	-3.824	dB
2:	1.991	333GHz	-1.174	dB
3:	1.928	666GHz	-1.057	dB
4:	1.860	000GHz	-1.269	dB
5:	2.060	000GHz	-0.679	dB