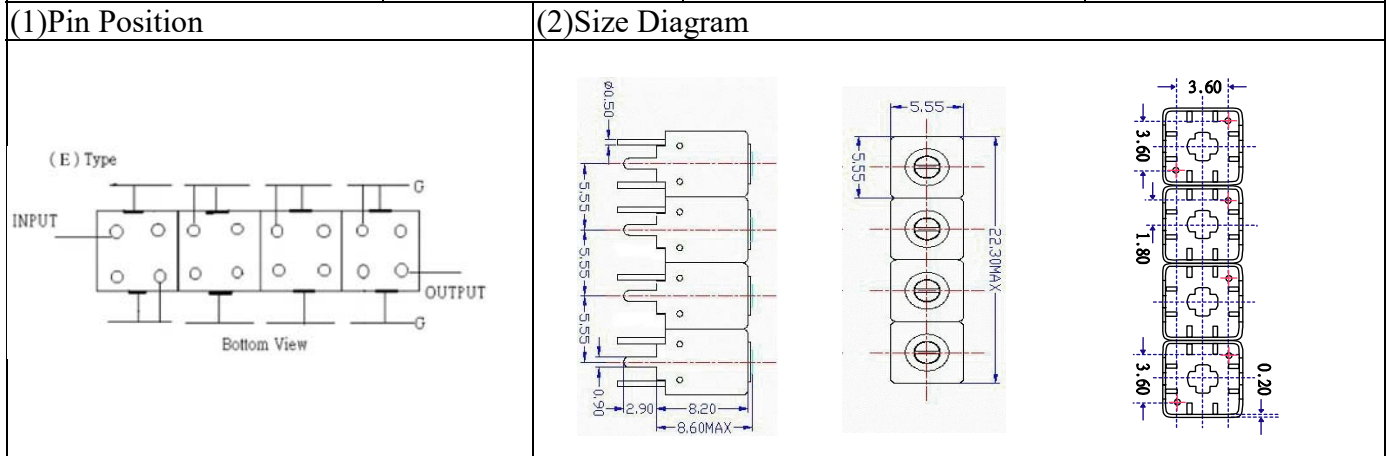


VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TFW4603E-1880M
Approval No. /dated		Temwell's Print name	4603E 1880M
Work Instruction No.	202005054CD	Date	Jul.10.2020



(3) Electric Characteristic

Item	Specify	Performance	
Center Freq.(Fo) +/- 0.5 %	1880 MHz	1880 MHz	
Insertion Loss	Typ. 3.5 dB	2.37 dB	
-3 dB Bandwidth	Typ. 87 MHz	94.4 MHz	
Sensitivity (Attenuation)	Fo - 150 MHz	Typ. 48 dBc	53 dBc
	Fo + 150 MHz	Typ. 30 dBc	35 dBc
	Fo - ()MHz	Typ. dBc	dBc
	Fo +()MHz	Typ. dBc	dBc
Return Loss	Min. 12 dB	19.1 dB	
Ripple	< 1 dB	dB	
Impedance	In / Out : 50 Ω	In / Out : 50 Ω	

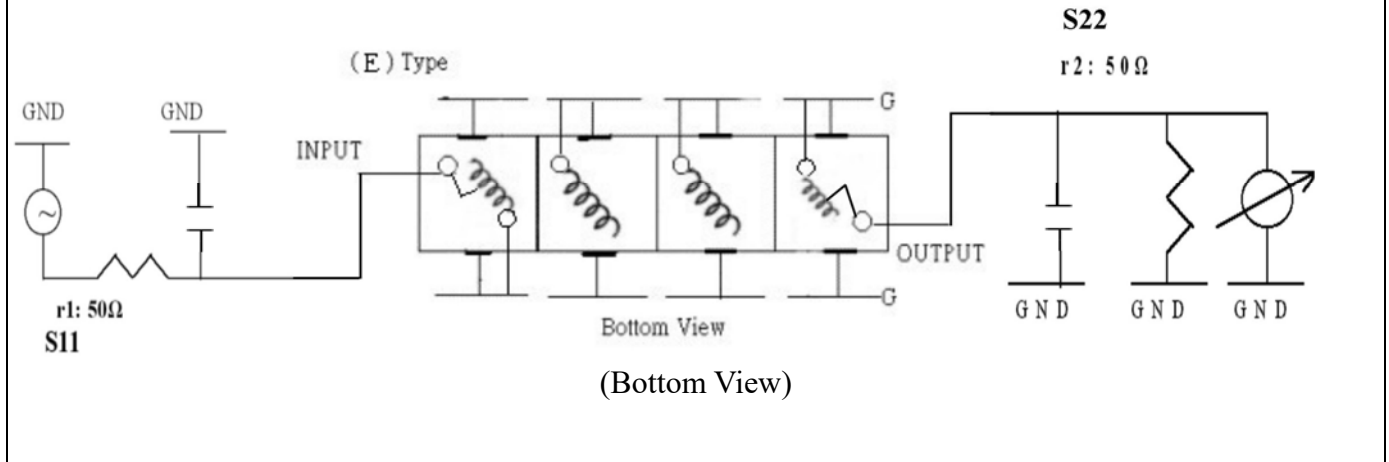
(4) Torque for Tuning Screw > 60gf • cm

(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

TEMWELL

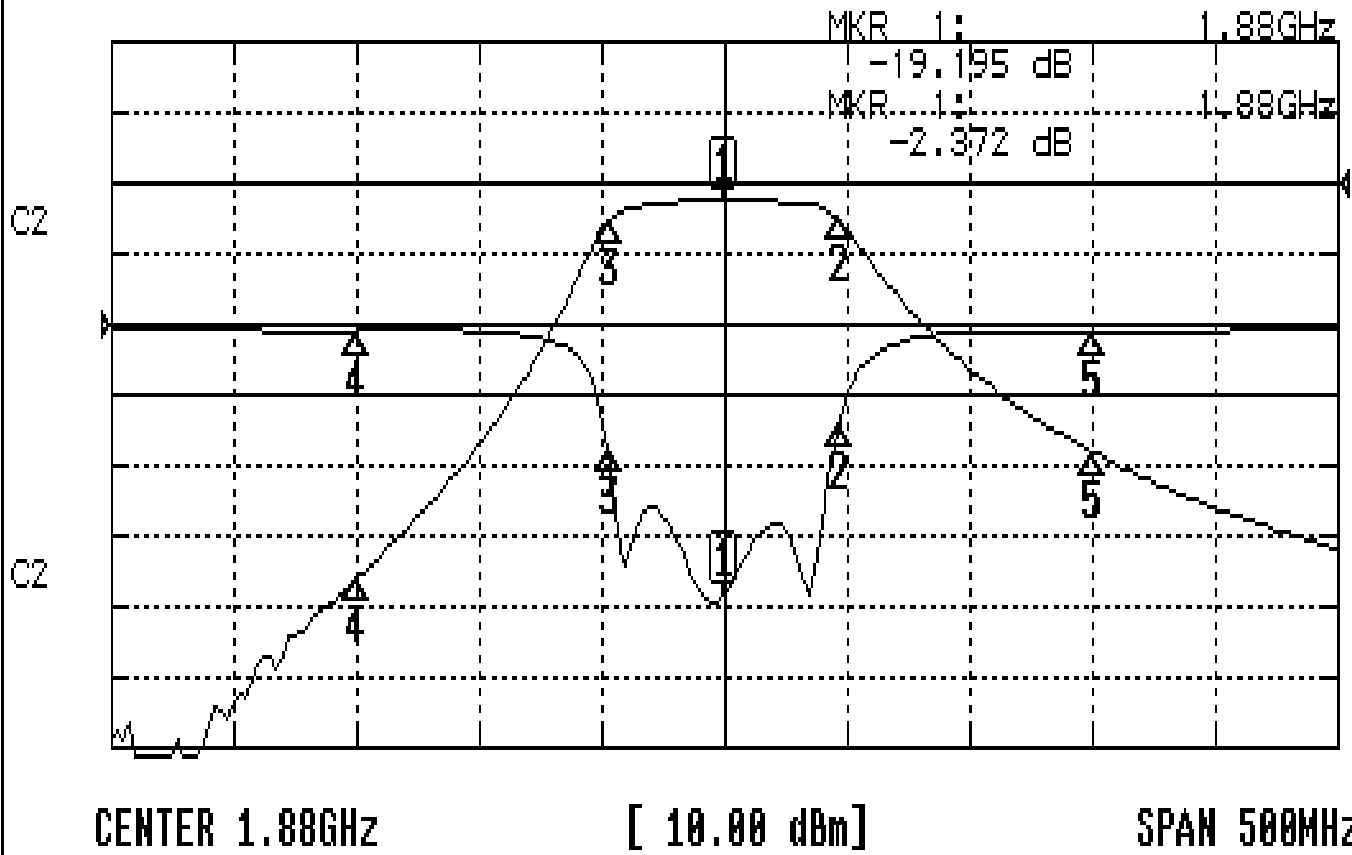
Form10-5W4E Vision D

RP(C.H.Y)

Performance-TFW4603E-1880M

202005054CD

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:	1.880	000GHz	-19.195	dB
2:	1.927	150GHz	-6.881	dB
3:	1.832	700GHz	-8.970	dB
4:	1.730	000GHz	-0.447	dB
5:	2.030	000GHz	-0.555	dB

CH2 MARKER LIST

1:	1.880	000GHz	-2.372	dB
2:	1.927	150GHz	-11.346	dB
3:	1.832	700GHz	-11.352	dB
4:	1.730	000GHz	-56.002	dB
5:	2.030	000GHz	-38.094	dB