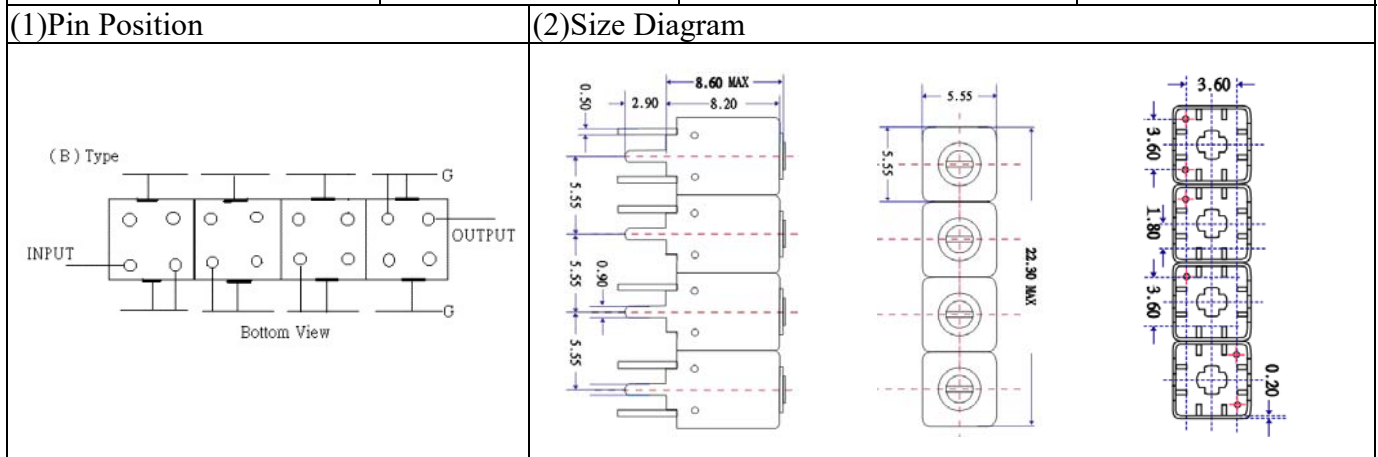


VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TFW4603B-2100M
Approval No. /dated		Temwell's Print name	4603B 2100M
Work Instruction No.	202006018CD	Date	Jul.31.2020



(3) Electric Characteristic

Item	Specify	Performance
Center Freq.(Fo) +/- 0.5 %	2100 MHz	2100 MHz
Insertion Loss	Typ. 4.5 dB	3.24 dB
-3 dB Bandwidth	Typ. 82 MHz	90.0 MHz
Sensitivity (Attenuation)	Fo - 200 MHz	Typ. 56 dBc
	Fo + 200 MHz	Typ. 34 dBc
	Fo - ()MHz	Typ. dBc
	Fo +()MHz	Typ. dBc
Return Loss	Min. 12 dB	29.2 dB
Ripple	< 1 dB	dB
Impedance	In / Out : 50 Ω	In / Out : 50 Ω

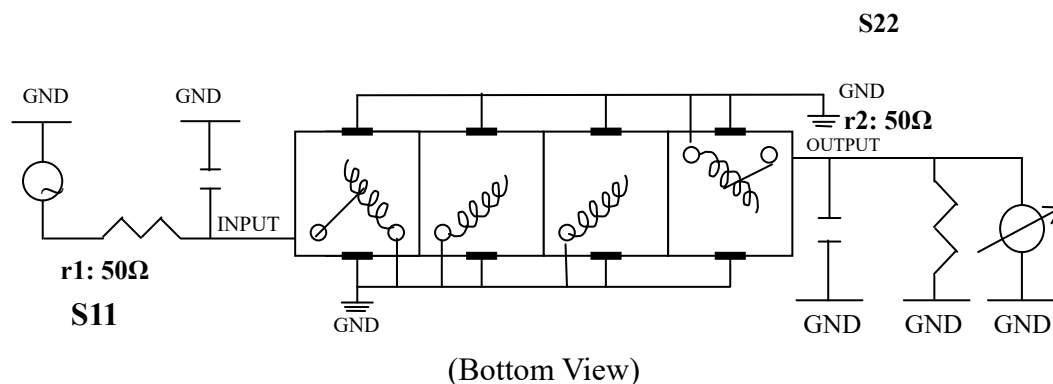
(4) Torque for Tuning Screw > 60gf • cm

(5) Temperature Condition:

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

(6) Input Power > 0.5Watt

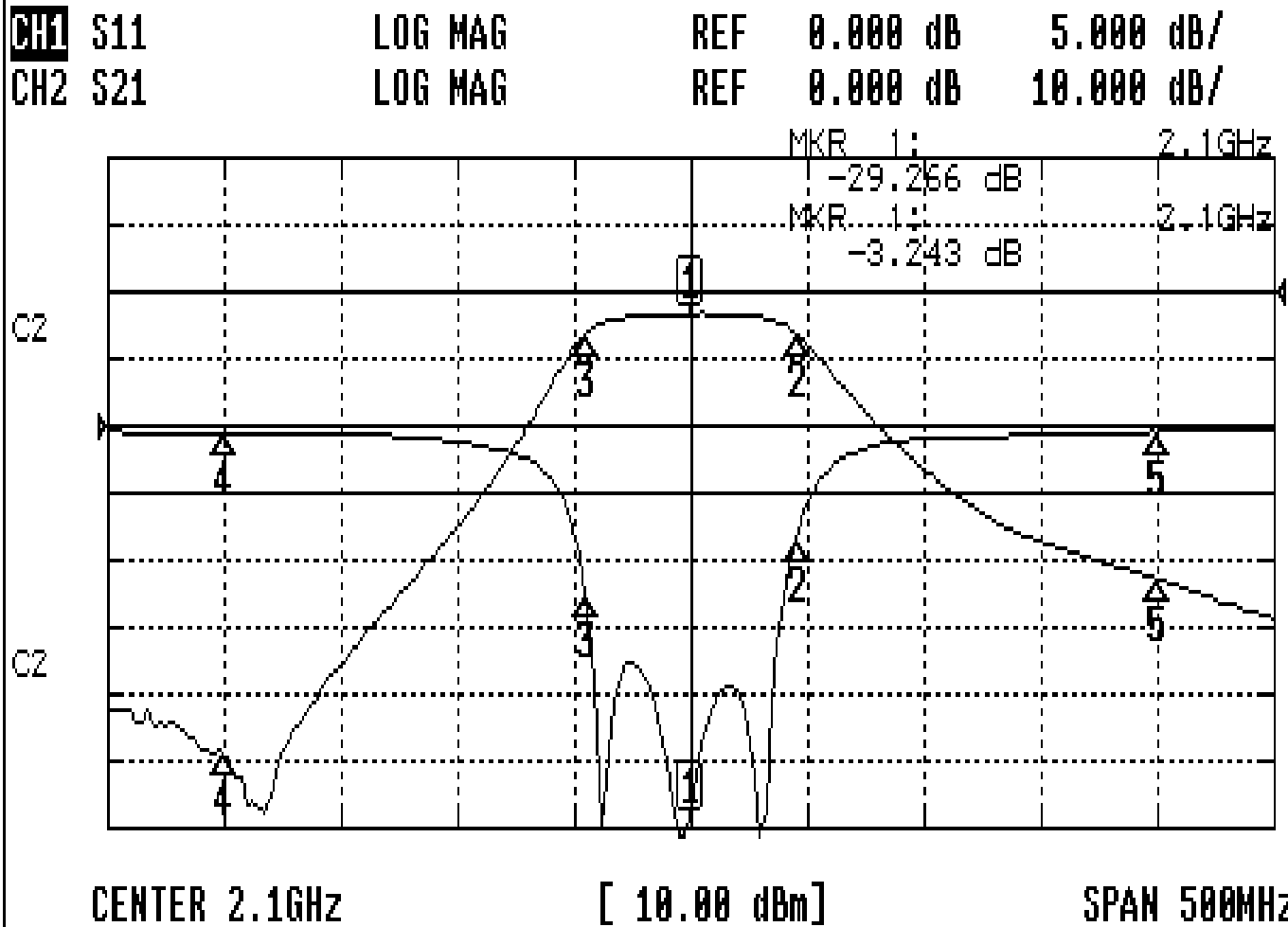
(7) Measuring Circuit: ※Easy to match Impedance S11/S22 50Ω by parallel with about(- -).



Approval	Supervisor	Designer	Aperture size
C.C.Chang	C.K.Chang	C.H.Yeh	5W4S(3.8*4.5)(4.52) 5HW046RB3.2 (J1)
TEMWELL CORPORATION			

Performance-TFW4603B-2100M

202006018CD



CH1 MARKER LIST

1:	2.100	000GHz	-29.266	dB
2:	2.144	900GHz	-8.629	dB
3:	2.054	900GHz	-12.413	dB
4:	1.900	000GHz	-0.564	dB
5:	2.300	000GHz	-0.441	dB

CH2 MARKER LIST

1:	2.100	000GHz	-3.244	dB
2:	2.144	900GHz	-6.236	dB
3:	2.054	900GHz	-6.252	dB
4:	1.900	000GHz	-6.555	dB
5:	2.300	000GHz	-42.874	dB