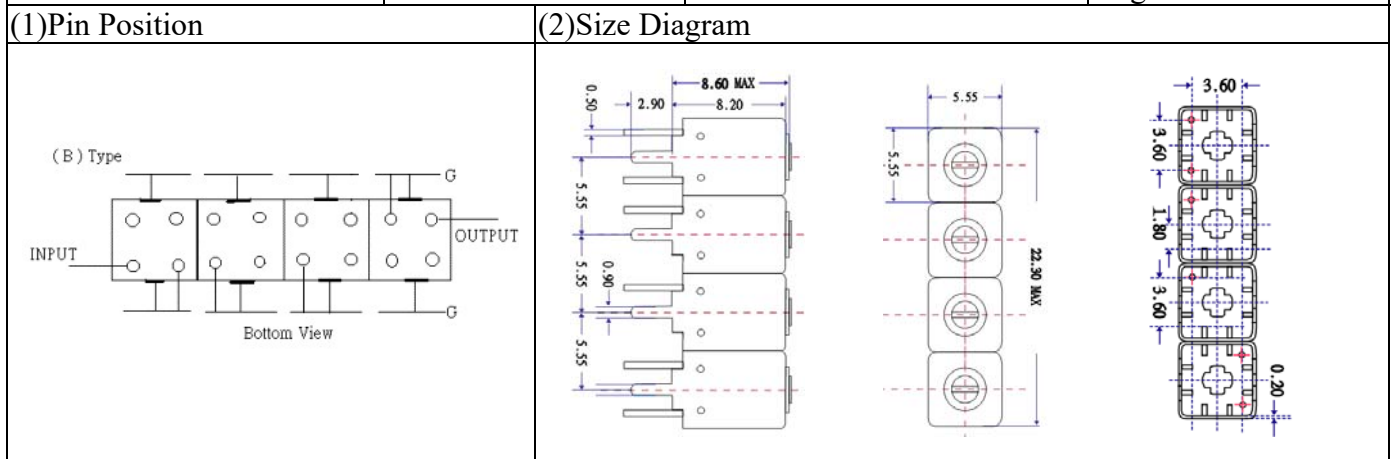


VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TFW41134B-1270M
Approval No. /dated	201908026CD	Temwell's Print name	41134B 1270M
Work Instruction No.	201908026CD	Date	Aug.20.2019



(3) Electric Characteristic

Item	Specify	Performance	
Center Freq.(Fo) +/- 0.5 %	1270 MHz	1270 MHz	
Insertion Loss	Typ. 6.5 dB	4.92 dB	
-3 dB Bandwidth	Typ. 30 MHz	34.7 MHz	
Sensitivity (Attenuation)	Fo - 100 MHz	Typ. 52 dBc	62 dBc
	Fo + 100 MHz	Typ. 51 dBc	61 dBc
	Fo - ()MHz	Typ. dBc	dBc
	Fo +()MHz	Typ. dBc	dBc
Return Loss	Min. 12 dB	20.9 dB	
Ripple	< 1 dB	dB	
Impedance	In / Out : 50 Ω	In / Out : 50 Ω	

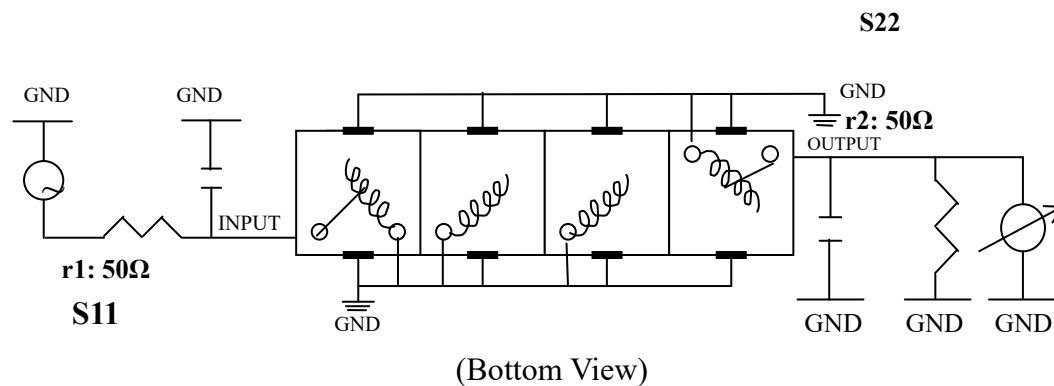
(4) Torque for Tuning Screw > 60gf · cm

(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(- -).

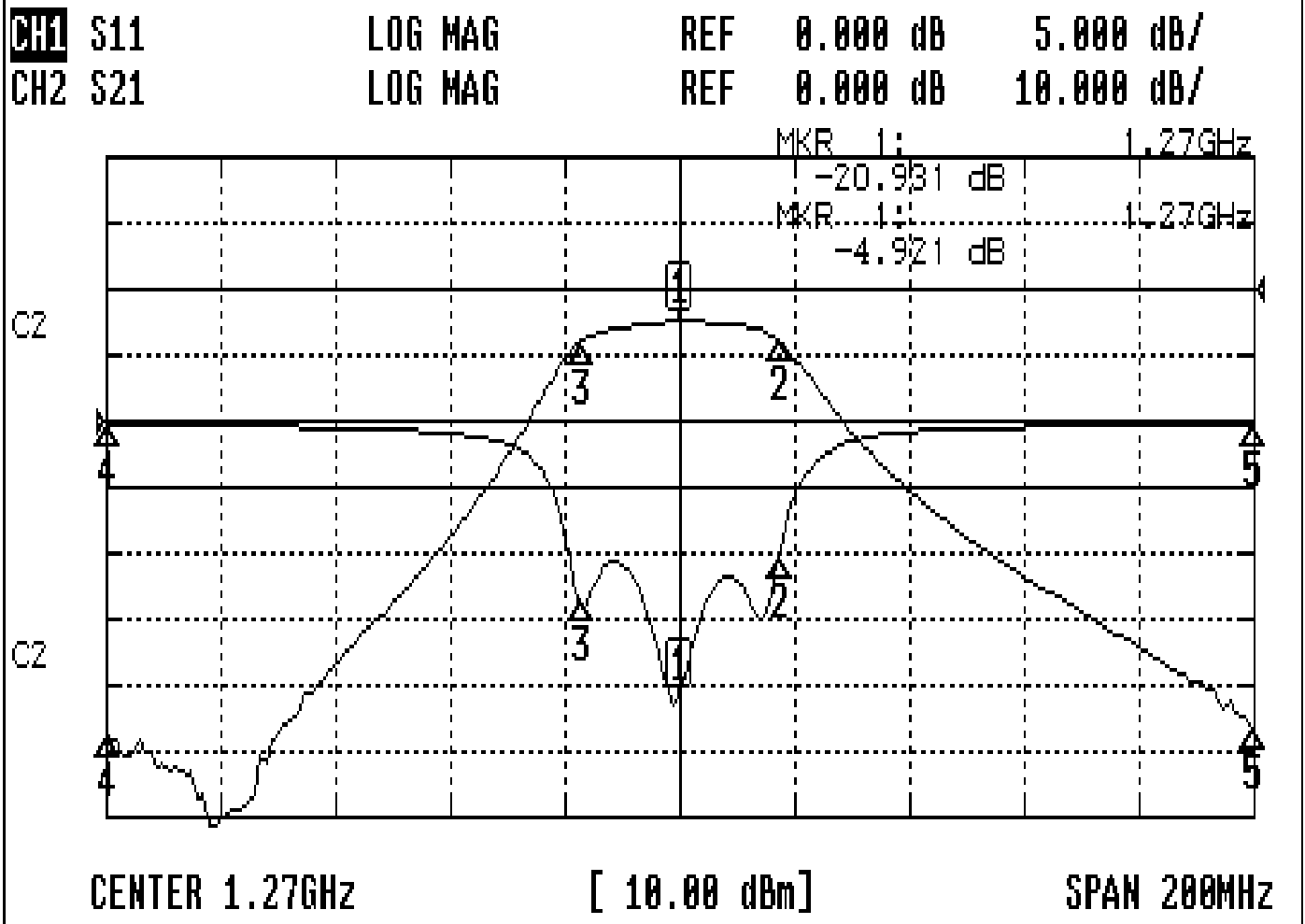


Approval	Supervisor	Designer	Aperture size
C.Y.Chang	C.K.Chang	M.Y.Kang	5W4S(3.8*4.0)(4.07) 5HW024RB3

TEMWELL CORPORATION

Performance-TFW41134B-1270M

201908026CD



CH1 MARKER LIST

Marker	Frequency (GHz)	Magnitude (dB)
1	1.270 000	-20.928
2	1.287 400	-10.101
3	1.252 700	-13.814
4	1.170 000	-0.314
5	1.370 000	-0.311

CH2 MARKER LIST

Marker	Frequency (GHz)	Magnitude (dB)
1	1.270 000	-4.921
2	1.287 400	-7.946
3	1.252 700	-7.943
4	1.170 000	-67.061
5	1.370 000	-66.612