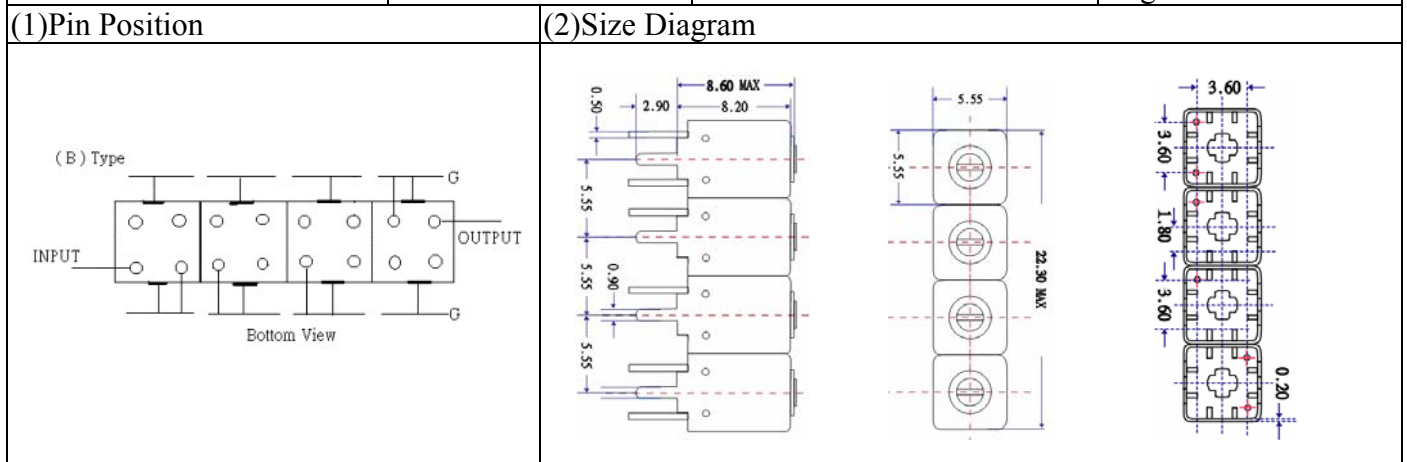


VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TFW41004B-1643.5M
Approval No. /dated		Temwell's Print name	41004B 1643.5M
Work Instruction No.	201608034CD	Date	Aug.17.2016



(3) Electric Characteristic

Item		Specify	Performance
Center Freq.(Fo) +/- 0.5 %		1643.5 MHz	1643.5 MHz
Insertion Loss		Typ. 5.5 dB	4.51 dB
-3 dB Bandwidth		Typ. 35 MHz	46.8 MHz
Sensitivity (Attenuation)	Fo - 50 MHz	Typ. 26 dBc	29 dBc
	Fo + 50 MHz	Typ. 20 dBc	23 dBc
	Fo - ()MHz	Typ. dBc	dBc
	Fo +()MHz	Typ. dBc	dBc
Return Loss		Min. 12 dB	23.8 dB
Ripple		< 1 dB	dB
Impedance		In / Out : 50 Ω	In / Out : 50 Ω

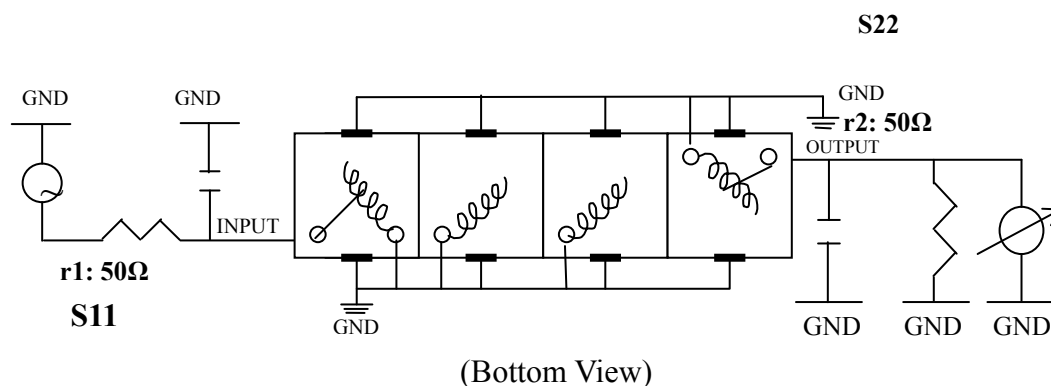
(4) Torque for Tuning Screw > 60gf · cm

(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(- -).

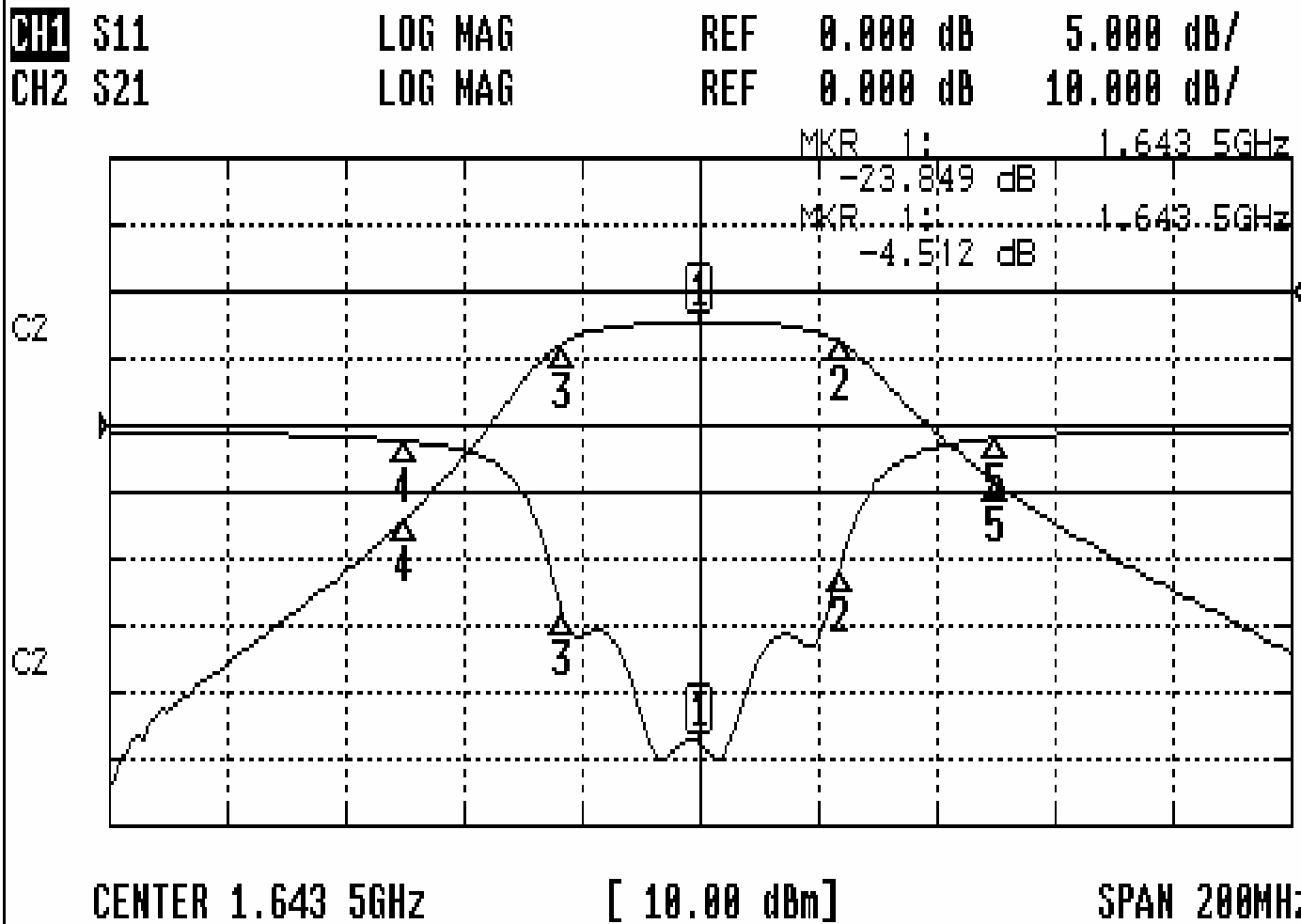


Approval C.Y.Chang	Supervisor C.K.Chang	Designer M.Y.Kang	Aperture size 5W4S(3.8*3.5)(3.56) 5HW046RB3.2 (J1)
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TEMWELL CORPORATION

Performance-TFW41004B-1643.5M

201608034CD



CH1 MARKER LIST

1:	1.643	500GHz	-23.857	dB
2:	1.667	166GHz	-10.717	dB
3:	1.620	333GHz	-14.031	dB
4:	1.593	500GHz	-1.185	dB
5:	1.693	500GHz	-0.977	dB

CH2 MARKER LIST

1:	1.643	500GHz	-4.512	dB
2:	1.667	166GHz	-7.592	dB
3:	1.620	333GHz	-7.563	dB
4:	1.593	500GHz	-34.141	dB
5:	1.693	500GHz	-28.485	dB