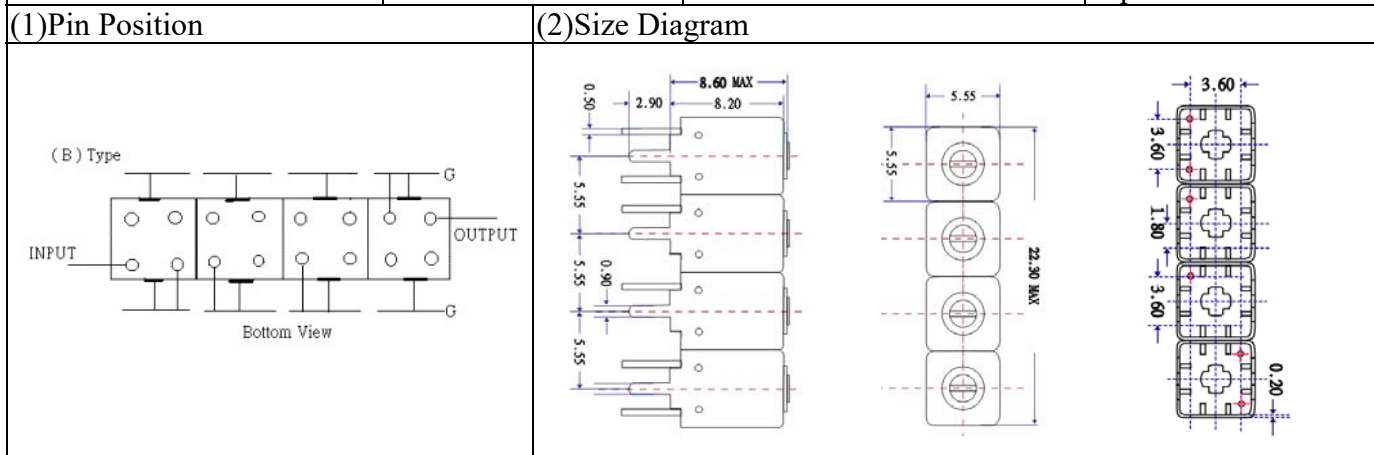


VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TFW4737B-2550M
Approval No. /dated		Temwell's Print name	4737B 2550M
Work Instruction No.	202007063CD	Date	Sep.2.2020



(3) Electric Characteristic

Item	Specify	Performance	
Center Freq.(Fo) +/- 0.5 %	2550 MHz	2550 MHz	
Insertion Loss	Typ. 6.5 dB	4.90 dB	
-3 dB Bandwidth	Typ. 40 MHz	52.9 MHz	
Sensitivity (Attenuation)	Fo - 200 MHz	Typ. 45 dBc	50 dBc
	Fo + 200 MHz	Typ. 21 dBc	26 dBc
	Fo - ()MHz	Typ. dBc	dBc
	Fo +()MHz	Typ. dBc	dBc
Return Loss	Min. 12 dB	27.7 dB	
Ripple	< 1 dB	dB	
Impedance	In / Out : 50 Ω	In / Out : 50 Ω	
(4) Torque for Tuning Screw	> 60gf · cm		

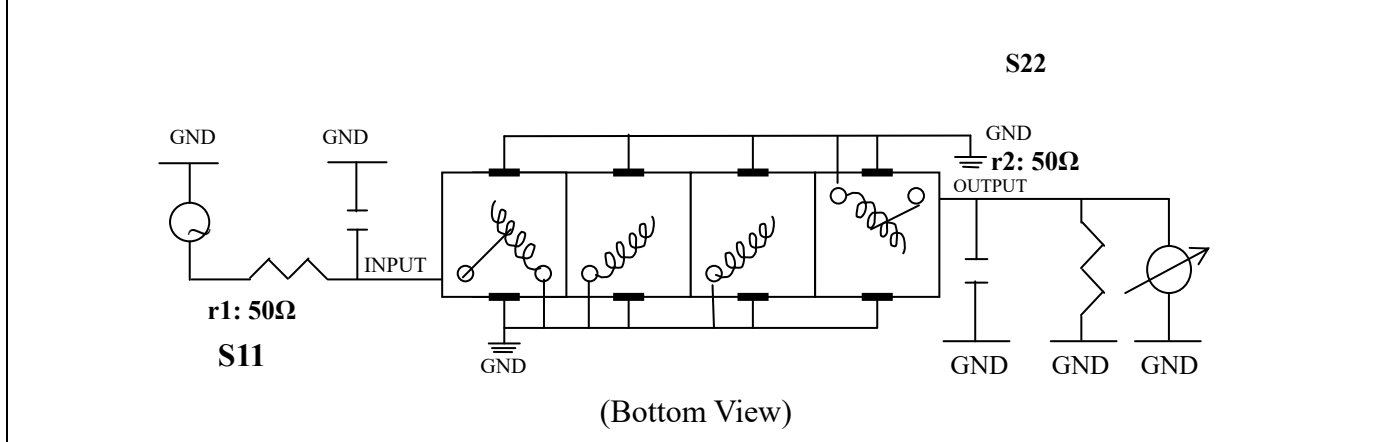
(5) Temperature Condition:

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

(6) Input Power

	> 0.5Watt
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(7) Measuring Circuit: ※Easy to match Impedance S11/S22 50Ω by parallel with about(- -).

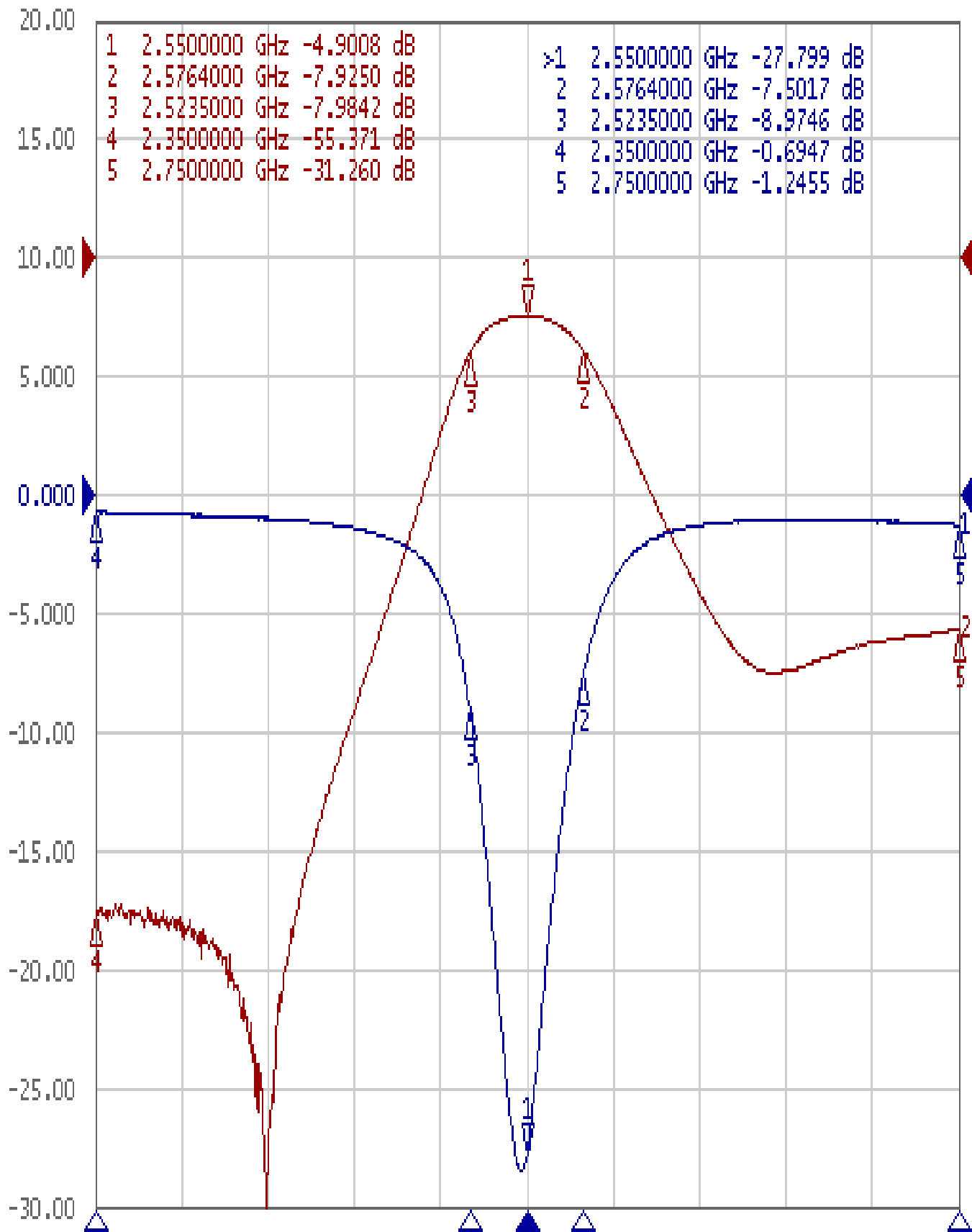


Approval	Supervisor	Designer	Aperture size
C.C.Chang	C.K.Chang	W.H.Wang	5W4S(3.8*3.5)(3.51) 5HW046RB3.2 (J1)
TEMWELL CORPORATION			

Performance-TFW4737B-2550M

202007063CD

Tr1 S11 Log Mag 5.000dB/ Ref 0.000dB [F2]
Tr2 S21 Log Mag 10.00dB/ Ref 0.000dB [F2]



1 Center 2.55 GHz

IFBW 70 kHz

Span 400 MHz Cor !