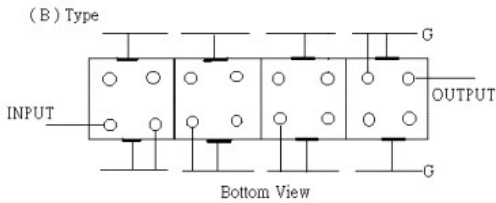
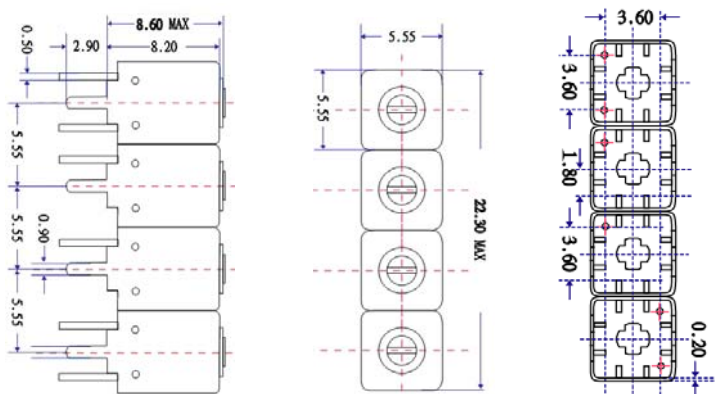


VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TFW4503B-800M
Approval No. /dated	201803049CD	Temwell's Print name	4503B 800M
Work Instruction No.	201803049CD	Date	Mar.30.2018

<p>(1) Pin Position</p>  <p style="text-align: center;">Bottom View</p>	<p>(2) Size Diagram</p> 
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(3) Electric Charasteric

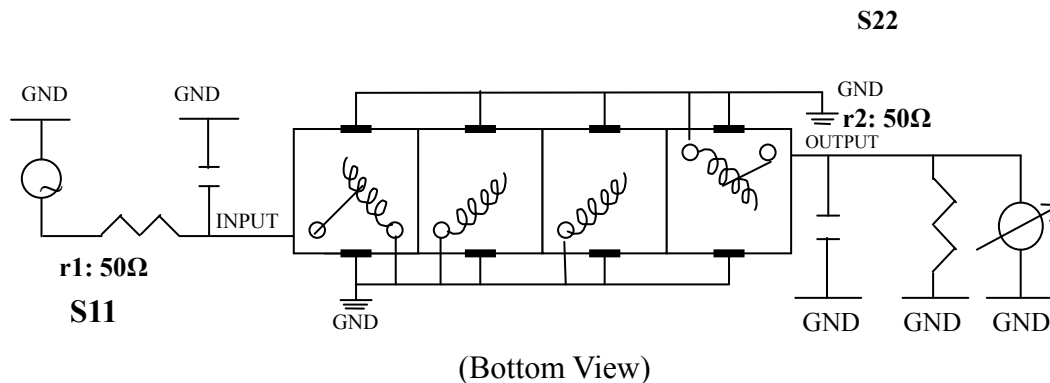
Item	Specify	Performance
Center Freq.(Fo) +/- 0.5 %	800 MHz	800 MHz
Insertion Loss	Typ. 4.0 dB	3.15 dB
-3 dB Bandwidth	Typ. 26 MHz	33.7 MHz
Sensitivity (Attenuation)	Fo - 50 MHz	Typ. 44 dBc
	Fo + 50 MHz	Typ. 30 dBc
	Fo - ()MHz	Typ. dBc
	Fo +()MHz	Typ. dBc
Return Loss	Min. 12 dB	31.2 dB
Ripple	< 1 dB	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(- -).

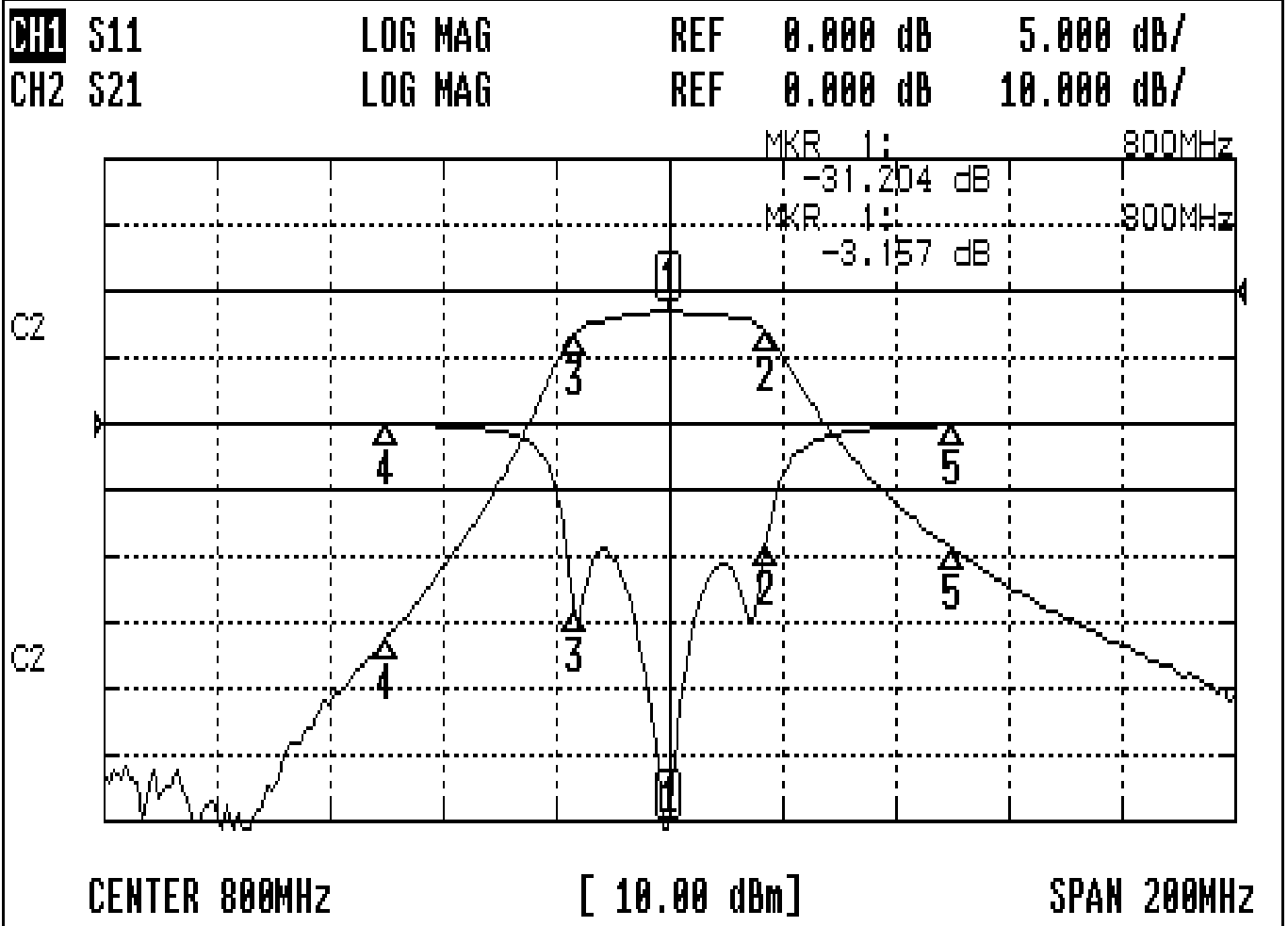


Approval C.Y.Chang	Supervisor C.K.Chang	Designer M.Y.Kang	Aperture size 5W4S(3.8*4.5)(4.55) 5HW024RB3
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TEMWELL CORPORATION

Performance-TFW4503B-800M

201803049CD



CH1 MARKER LIST

1:	800.000MHz	-31.204 dB
2:	817.100MHz	-9.136 dB
3:	783.400MHz	-14.222 dB
4:	750.000MHz	-0.036 dB
5:	850.000MHz	-0.122 dB

CH2 MARKER LIST

1:	800.000MHz	-3.156 dB
2:	817.100MHz	-6.143 dB
3:	783.400MHz	-6.162 dB
4:	750.000MHz	-22.458 dB
5:	850.000MHz	-38.821 dB