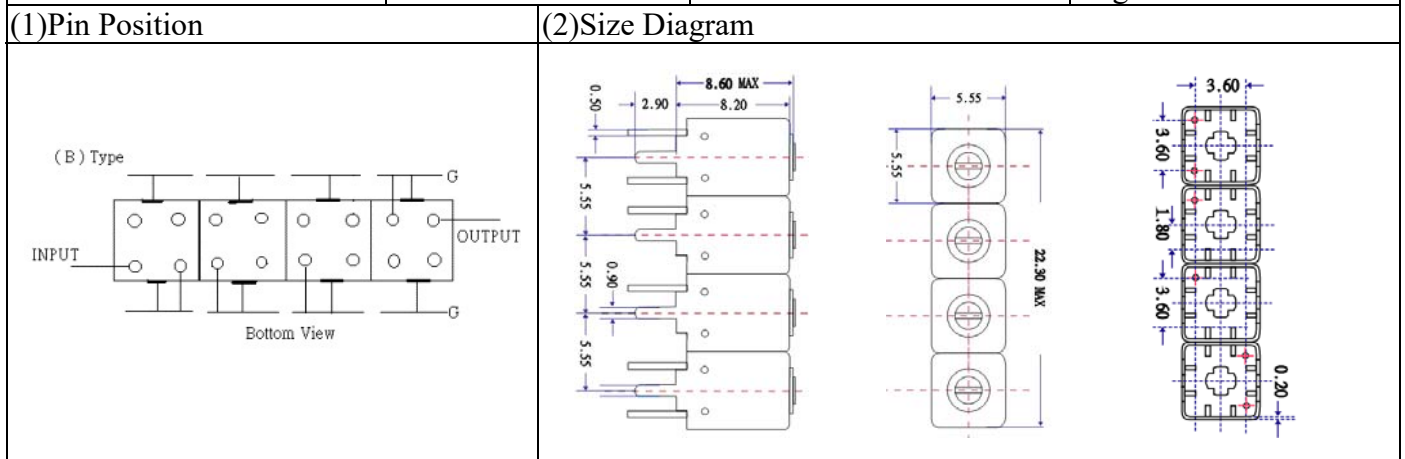


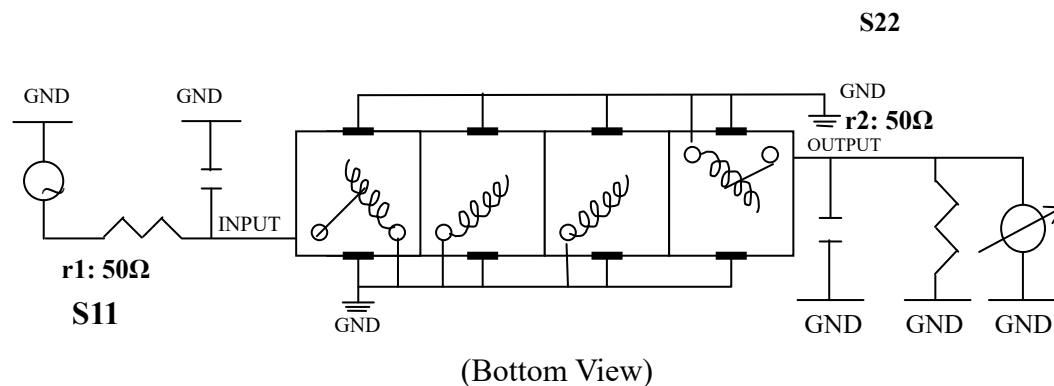
# VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TFW41101B-1747.5M
Approval No. /dated	201908031CD	Temwell's Print name	41101B 1747.5M
Work Instruction No.	201908031CD	Date	Aug.22.2019



(3)Electric Charasteric			
Item		Specify	Performance
Center Freq.(Fo ) +/- 0.5 %		1747.5 MHz	1747.5 MHz
Insertion Loss		Typ. 5.0 dB	3.15 dB
-3 dB Bandwidth		Typ. 75 MHz	82.1 MHz
Sensitivity (Attenuation )	Fo - 100 MHz	Typ. 40 dBc	45 dBc
	Fo + 100 MHz	Typ. 28 dBc	33 dBc
	Fo - ( )MHz	Typ. dBc	dBc
	Fo +( )MHz	Typ. dBc	dBc
Return Loss		Min. 12 dB	17.0 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(- -).

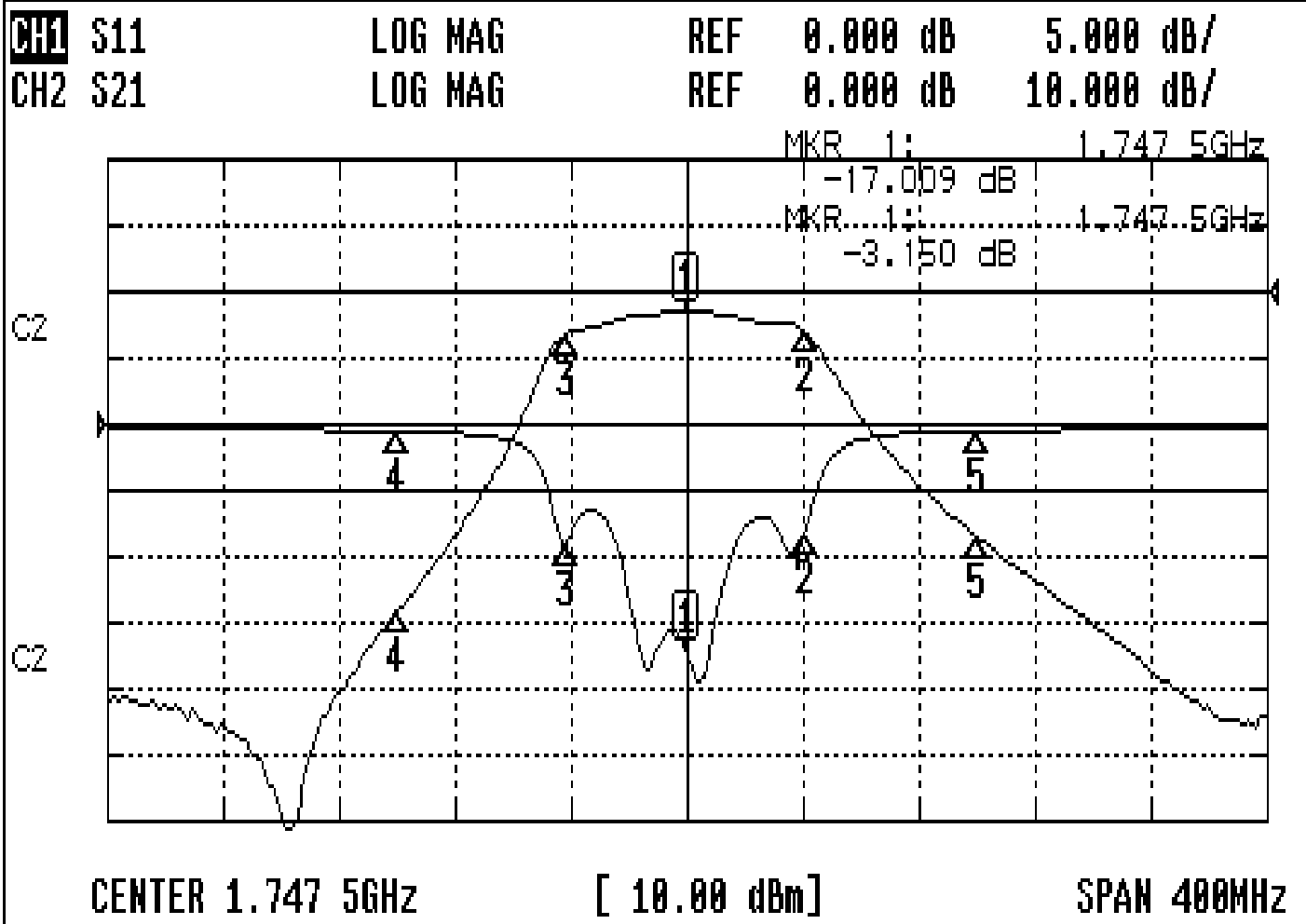


Approval C.Y.Chang	Supervisor C.K.Chang	Designer M.Y.Kang	Aperture size 5W4S(3.8*4.5)(4.54) 5HW046RB3.2 (J1)
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TEMWELL CORPORATION

# Performance-TFW41101B-1747.5M

## 201908031CD



### CH1 MARKER LIST

1:	1.747	500GHz	-17.009	dB
2:	1.788	350GHz	-8.391	dB
3:	1.706	166GHz	-9.070	dB
4:	1.647	500GHz	-0.555	dB
5:	1.847	500GHz	-0.514	dB

### CH2 MARKER LIST

1:	1.747	500GHz	-3.153	dB
2:	1.788	350GHz	-6.139	dB
3:	1.706	166GHz	-6.182	dB
4:	1.647	500GHz	-48.445	dB
5:	1.847	500GHz	-36.983	dB