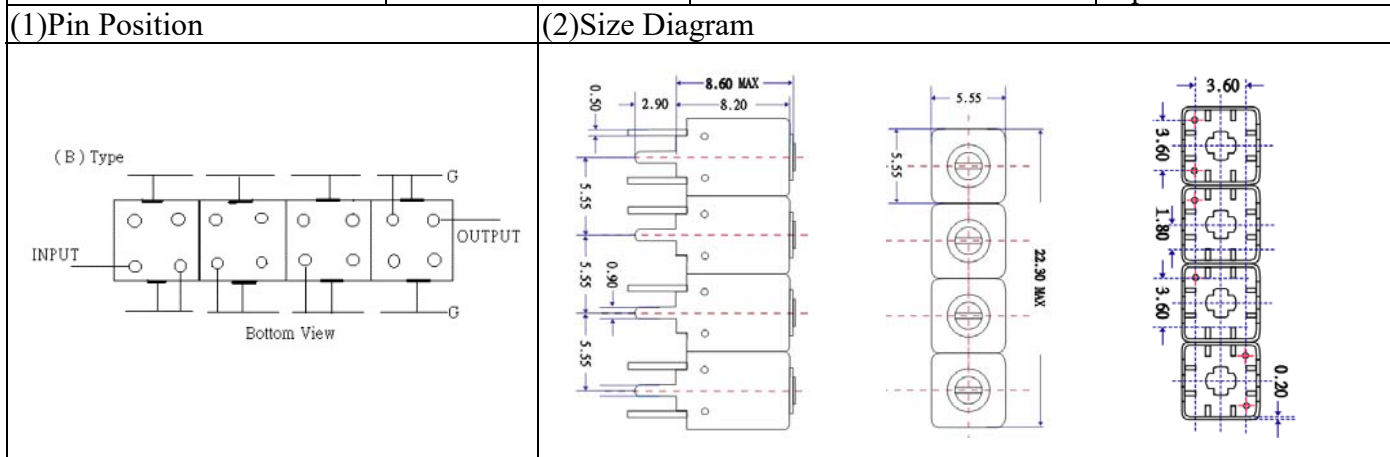


# VHF UHF Helical Filter Specification Sheet

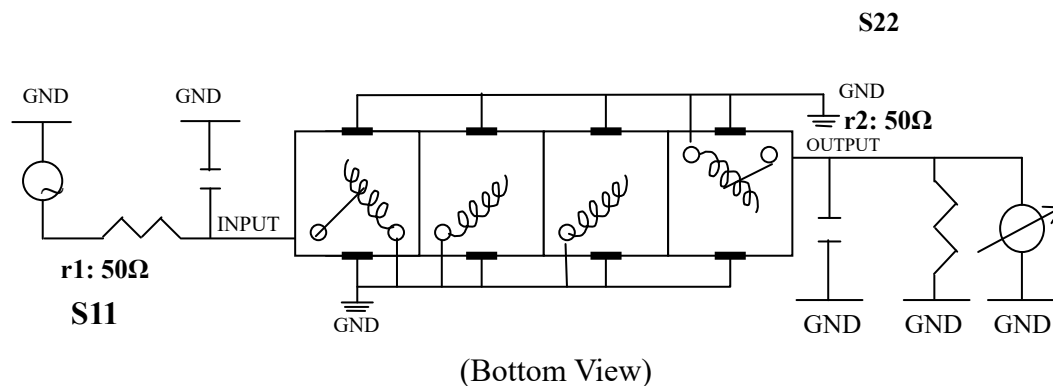
Customer Name		Temwell's Part No.	TFW41123B-2190M
Approval No. /dated	201905092CD	Temwell's Print name	41123B 2190M
Work Instruction No.	201905092CD	Date	Sep.09.2019



### (3)Electric Charasteric

Item	Specify	Performance
Center Freq.(Fo ) +/- 0.5 %	2190 MHz	2190 MHz
Insertion Loss	Typ. 8.0 dB	7.03 dB
-3 dB Bandwidth	Typ. 20 MHz	27.3 MHz
Sensitivity (Attenuation )	Fo - 50 MHz	Typ. 25 dBc
	Fo + 50 MHz	Typ. 19 dBc
	Fo - ( )MHz	Typ. dBc
	Fo +( )MHz	Typ. dBc
Return Loss	Min. 12 dB	22.4 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	C.H.Yeh	5W4S(3.8*4.0)(4.07) 5HW046RB3.2 (J1)

TEMWELL CORPORATION

TEMWELL

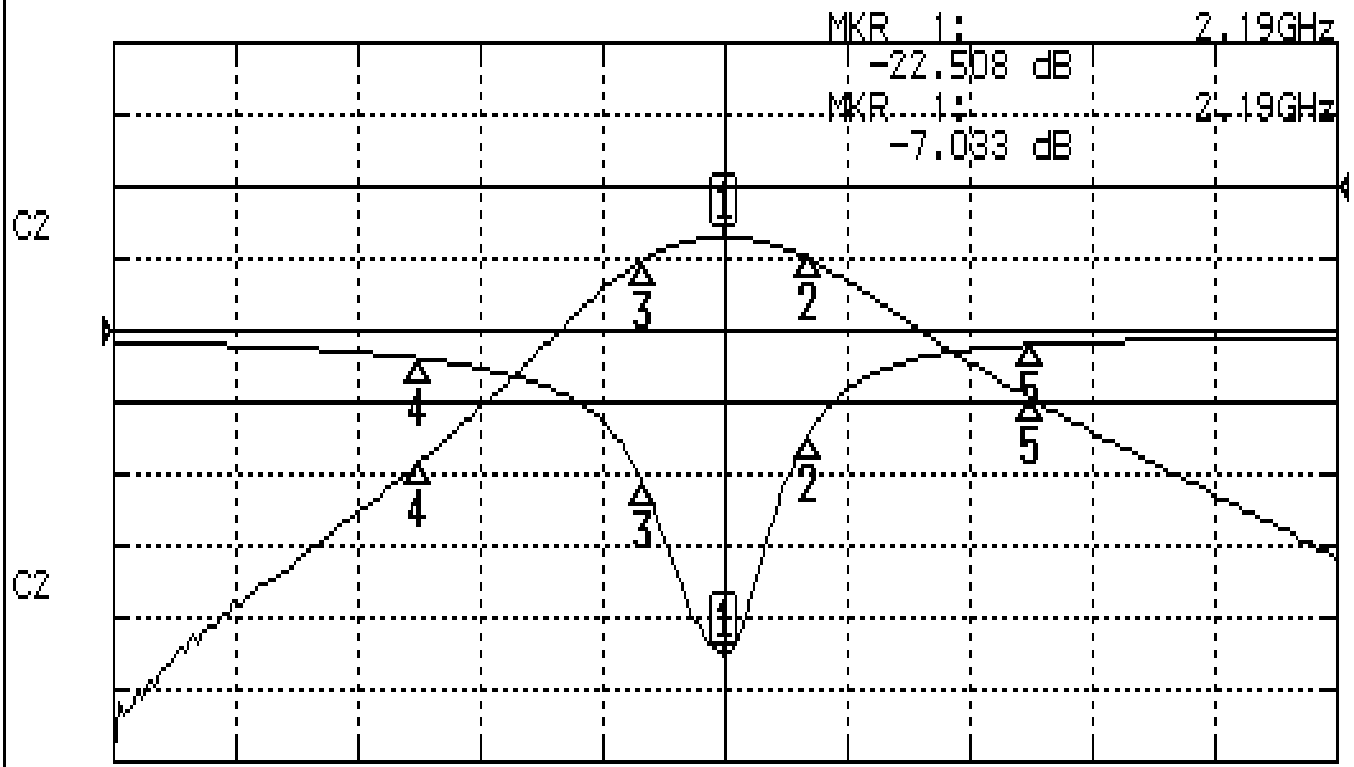
Form10-5H4B Vision D

RP ( C.H.Y)

# Performance-TFW41123B-2190M

## 201905092CD

CH1 S11 LOG MAG REF 0.000 dB 5.000 dB/  
CH2 S21 LOG MAG REF 0.000 dB 10.000 dB/



CENTER 2.19GHz

[ 10.00 dBm ]

SPAN 200MHz

### CH1 MARKER LIST

1:	2.190	000GHz	-22.485	dB
2:	2.203	900GHz	-7.203	dB
3:	2.176	600GHz	-10.445	dB
4:	2.140	000GHz	-1.942	dB
5:	2.240	000GHz	-0.993	dB

### CH2 MARKER LIST

1:	2.190	000GHz	-7.033	dB
2:	2.203	900GHz	-10.067	dB
3:	2.176	600GHz	-10.011	dB
4:	2.140	000GHz	-38.375	dB
5:	2.240	000GHz	-29.450	dB