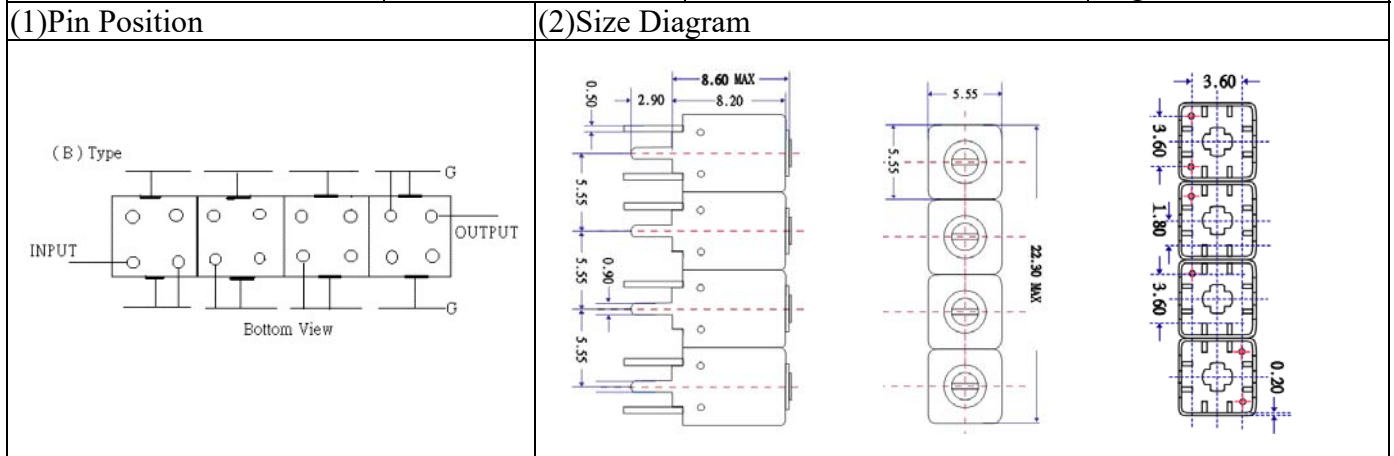


# VHF UHF Helical Filter Specification Sheet

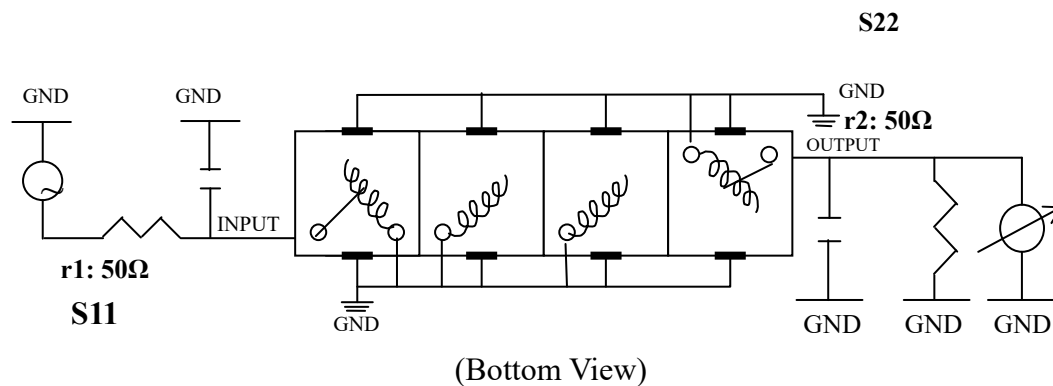
Customer Name		Temwell's Part No.	TFW4756B-2375M
Approval No. /dated		Temwell's Print name	4756B 2375M
Work Instruction No.	202007054CD	Date	Aug.17.2020



(3) Electric Characteristic

Item	Specify	Performance	
Center Freq.(Fo) +/- 0.5 %	2375 MHz	2375 MHz	
Insertion Loss	Typ. 6.0 dB	4.22 dB	
-3 dB Bandwidth	Typ. 58 MHz	69.9 MHz	
Sensitivity (Attenuation)	Fo - 150 MHz	Typ. 48 dBc	53 dBc
	Fo + 150 MHz	Typ. 35 dBc	40 dBc
	Fo - ( )MHz	Typ. dBc	dBc
	Fo +( )MHz	Typ. dBc	dBc
Return Loss	Min. 12 dB	30.6 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(- -).

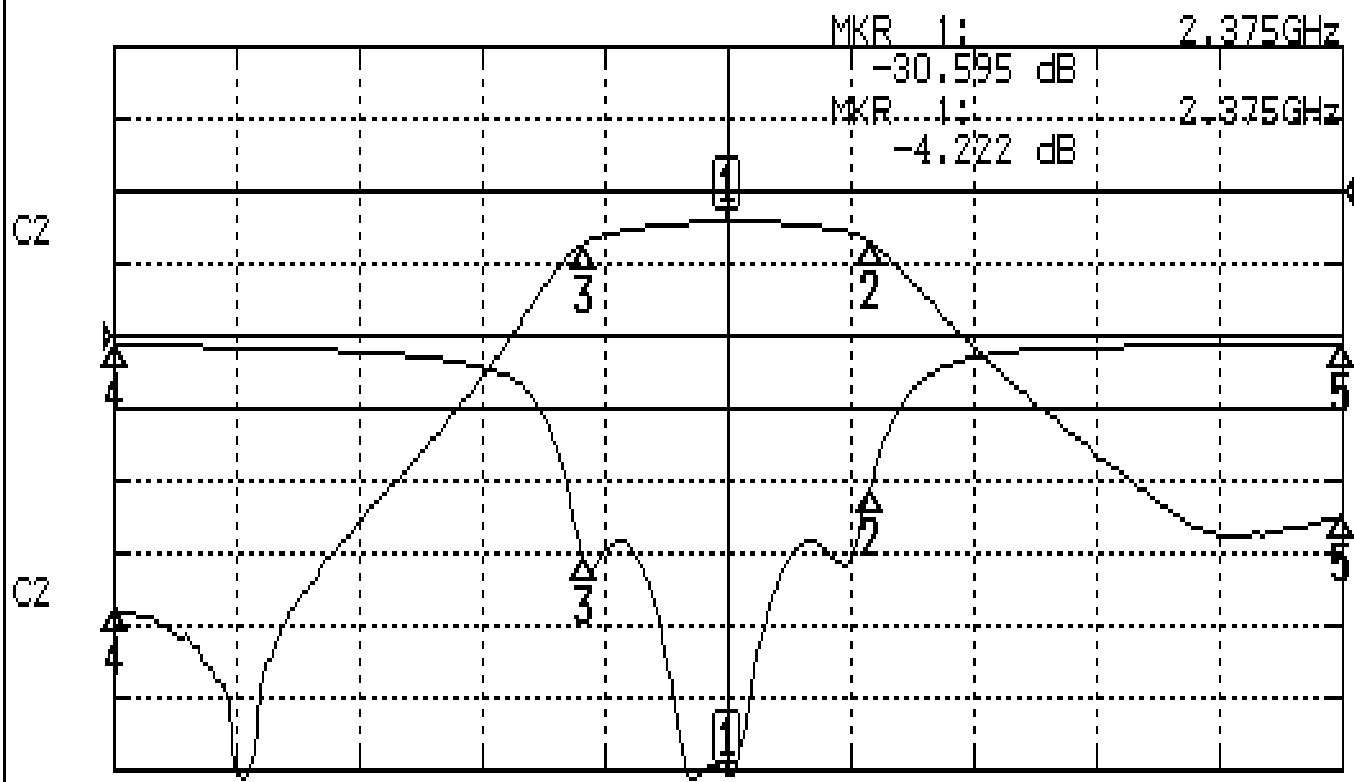


Approval	Supervisor	Designer	Aperture size
C.C.Chang	C.K.Chang	Z.Y.Wang	5W4S(3.8*3.5)(3.52) 5HW046RB3.2 (J1)
TEMWELL CORPORATION			

# Performance-TFW4756B-2375M

## 202007054CD

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



CENTER 2.375GHz

[ 10.00 dBm ]

SPAN 300MHz

### CH1 MARKER LIST

Marker	Freq (GHz)	Magnitude (dB)
1	2.375 000	-30.680
2	2.410 100	-10.332
3	2.340 110	-15.487
4	2.225 000	-0.641
5	2.525 000	-0.673

### CH2 MARKER LIST

Marker	Freq (GHz)	Magnitude (dB)
1	2.375 000	-4.222
2	2.410 100	-7.248
3	2.340 110	-7.240
4	2.225 000	-57.466
5	2.525 000	-44.920