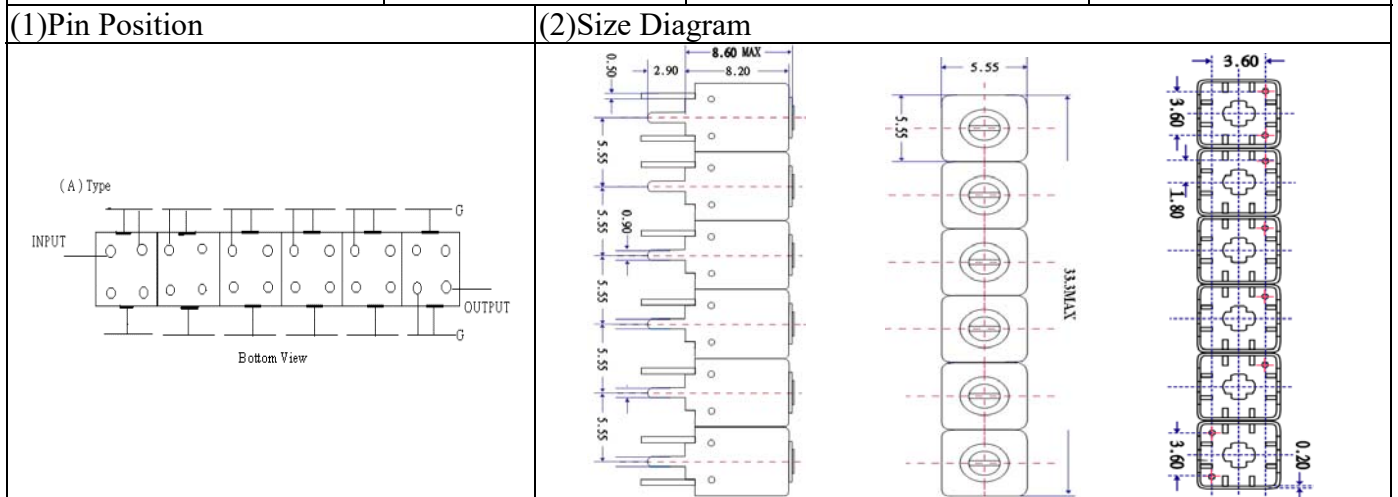


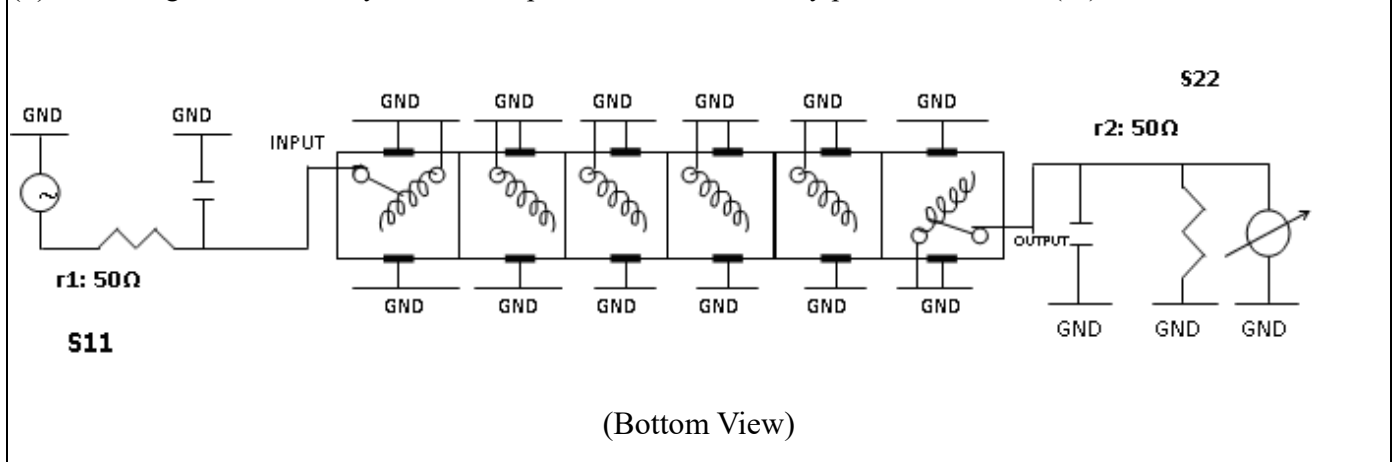
# VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TSW6416A-1745M
Approval No. /dated		Temwell,s print Name	6416A 1745M
Work Instruction No.	201911109CD	Date	Jun.18.2020



(3)Electric Charasteric			
Item		Specify	Performance
Center Freq.(Fo ) +/- 0.5 %		1745 MHz	1745 MHz
Insertion Loss		Typ. 4.5 dB	3.54 dB
-3 dB Bandwidth		Typ. 70 MHz	75.6 MHz
Sensitivity (Attenuation)	Fo - 100 MHz	Typ. 59 dBc	69 dBc
	Fo + 100 MHz	Typ. 42 dBc	47 dBc
	Fo - ( )MHz	Typ. dBc	dBc
	Fo +( )MHz	Typ. dBc	dBc
Return Loss		Min. 12 dB	19.4 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(- -).



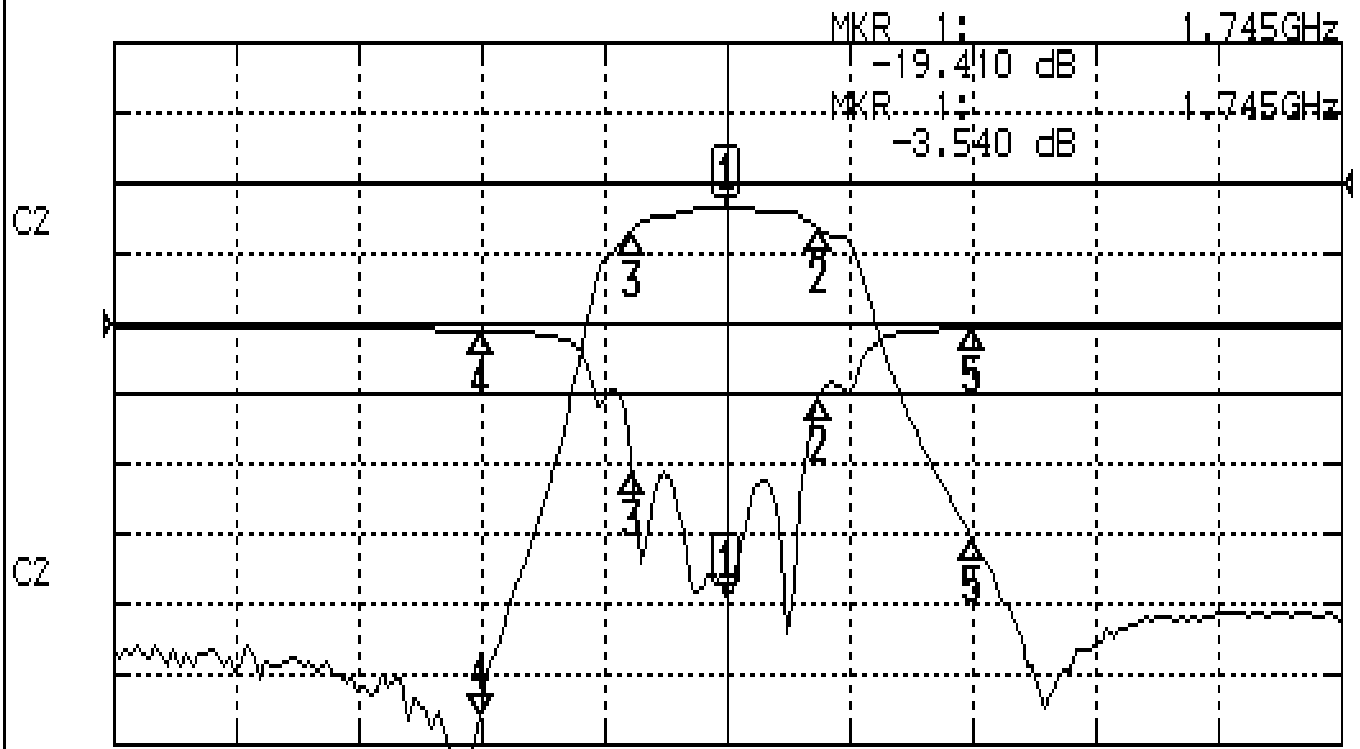
Approval	Supervisor	Designer	Aperture size
C.C.Chang	C.K.Chang	C.H.Yeh	5W6S(3.8*4.5)(4.51) 5HW046LB3.2 (J1)

TEMWELL CORPORATION

# Performance-TSW6416A-1745M

## 201911109CD

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



CENTER 1.745GHz

[ 10.00 dBm ]

SPAN 500MHz

### CH1 MARKER LIST

1:	1.745	000GHz	-19.429	dB
2:	1.782	550GHz	-5.299	dB
3:	1.706	900GHz	-10.522	dB
4:	1.645	000GHz	-0.499	dB
5:	1.845	000GHz	-0.377	dB

### CH2 MARKER LIST

1:	1.745	000GHz	-3.540	dB
2:	1.782	550GHz	-6.574	dB
3:	1.706	900GHz	-6.522	dB
4:	1.645	000GHz	-73.055	dB
5:	1.845	000GHz	-50.589	dB