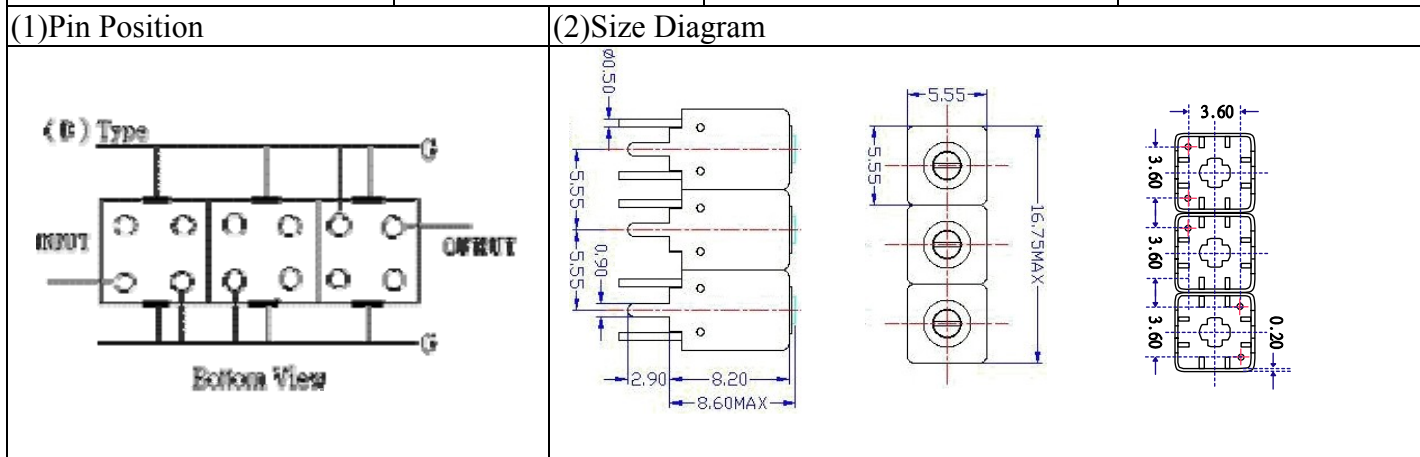


# VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TTW3738B-1225M
Approval No. /dated	201407108CD	Temwell's Print Name.	3738B 1225M
Work Instruction No.	201407108CD	Date	Dec.11.2014



(3) Electric Character

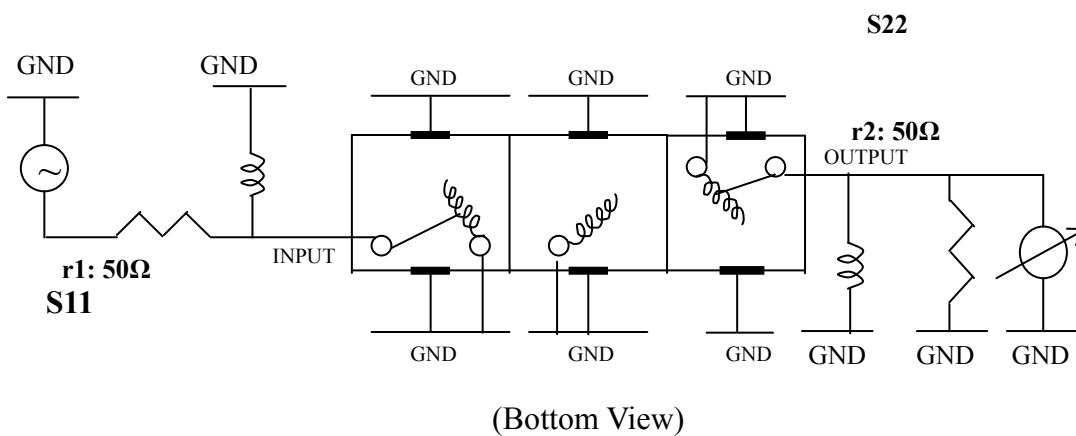
Item	Specify	Performance
Center Freq.(Fo) +/- 0.5 %	1225 MHz	1225 MHz
Insertion Loss	Typ. 3.0 dB	1.80 dB
-3 dB Bandwidth	Typ. 55 MHz	63.6 MHz
Sensitivity (Attenuation)	Fo -200MHz	Typ. 48 dBc
	Fo +200MHz	Typ. 30 dBc
	Fo - ( )MHz	Typ. dBc
	Fo +( )MHz	Typ. dBc
Return Loss	Min. 12 dB	21.8 dB
Ripple	< 1 dB	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

(7) Measuring Circuit: ※Easy to match Impedance S11/S22 50Ω by parallel with about(- -).



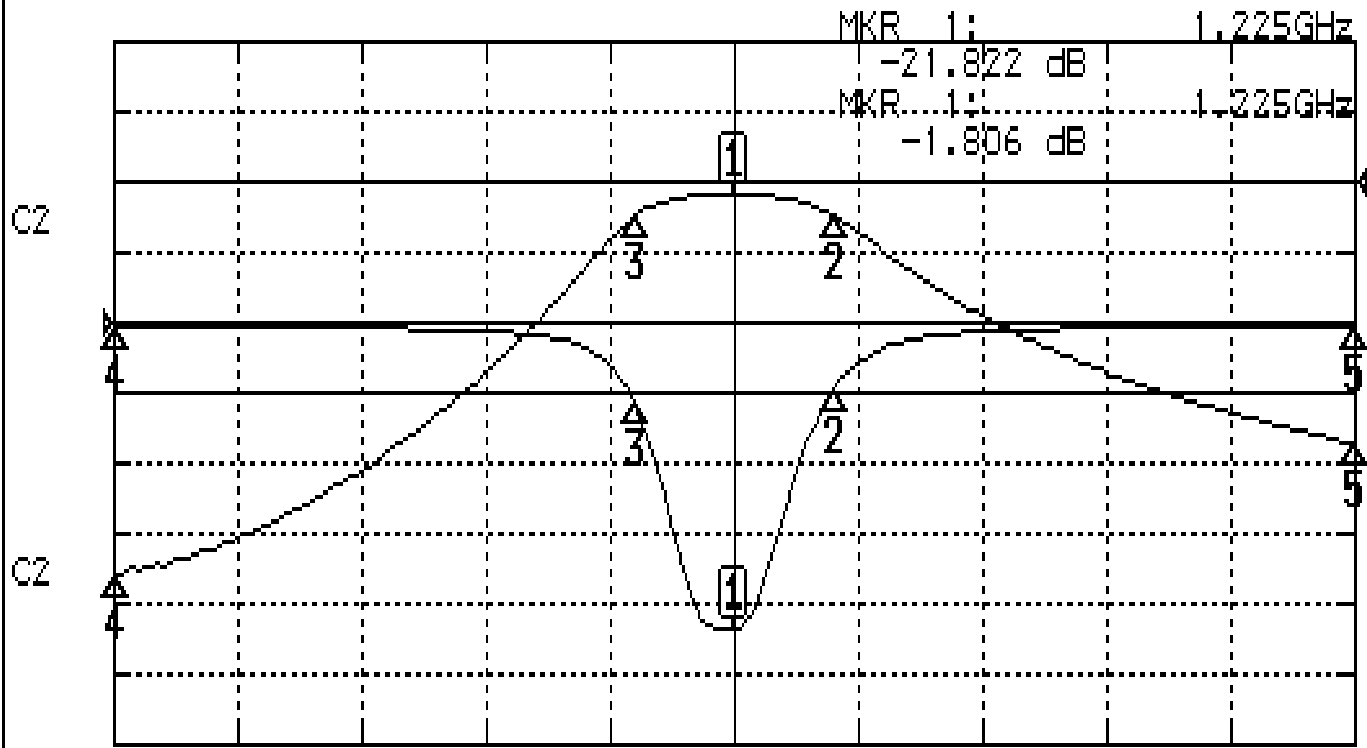
Approval	Supervisor	Designer	Aperture size
C.Y.Chang	C.K.Chang	H.W.Lin	5W3S(3.8*5.1)(5.12) 5HW046RB3.2

TEMWELL CORPORATION

# Performance-TTW3738B-1225M

## 201407108CD

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



CENTER 1.225GHz

[ 10.00 dBm ]

SPAN 400MHz

### CH1 MARKER LIST

Marker	Frequency (GHz)	Magnitude (dB)
1	1.225 000	-21.826
2	1.257 000	-4.811
3	1.193 333	-5.868
4	1.025 000	-0.254
5	1.425 000	-0.317

### CH2 MARKER LIST

Marker	Frequency (GHz)	Magnitude (dB)
1	1.225 000	-1.806
2	1.257 000	-4.831
3	1.193 333	-4.839
4	1.025 000	-5.591
5	1.425 000	-37.186