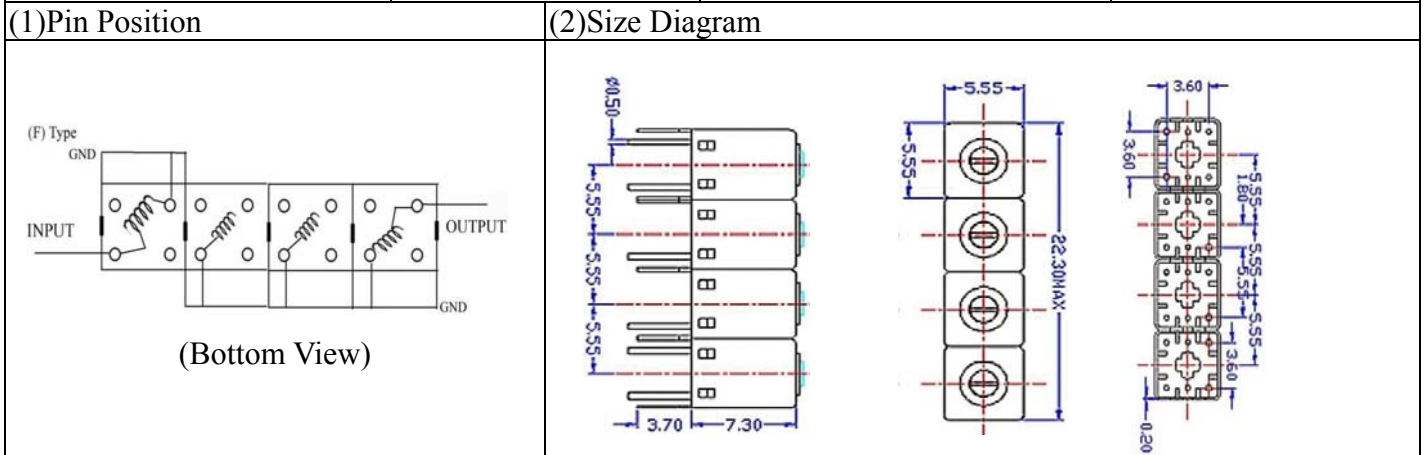


VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	K4RF-1230M-20M
Approval No. /dated	0905069CD	Temwell's Print Name.	K4RF 1230M
Work Instruction No.	200905069CD	Date	Jun.04.2009



(3)Electric Characteristic

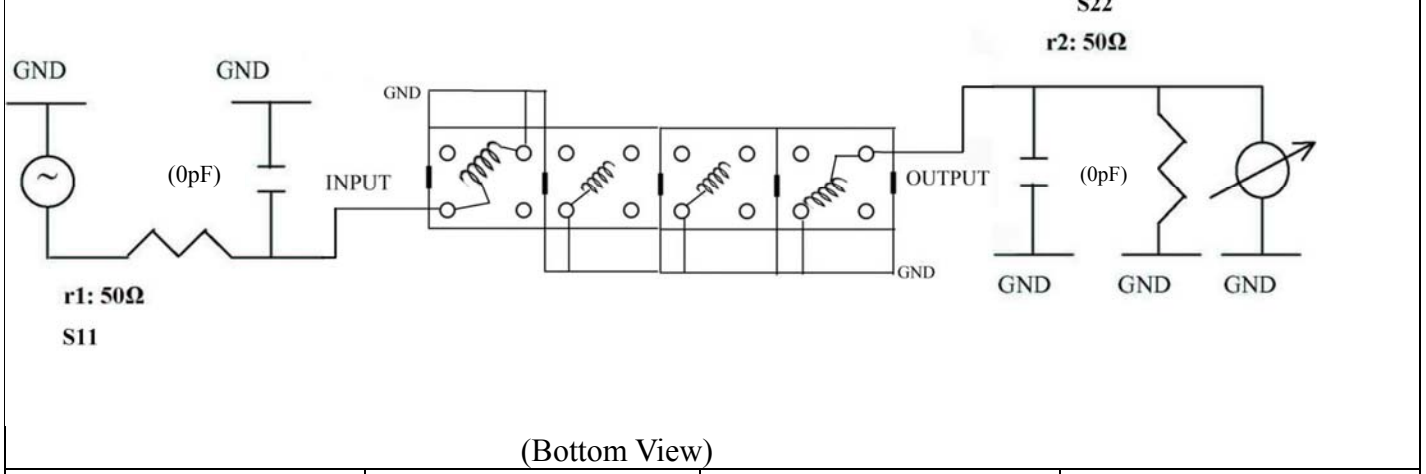
Item	Specify	Performance	
Center Freq.(Fo) +/- 0.5 %	1230 MHz	1230 MHz	
Insertion Loss	Typ. 5.0 dB	4.59 dB	
-3 dB Bandwidth	Typ. 20 MHz	31.8 MHz	
Sensitivity (Attenuation)	Fo - 50 MHz	Typ. 35 dBc	38 dBc
	Fo + 50 MHz	Typ. 38 dBc	41 dBc
	Fo - ()MHz	Typ. dBc	dBc
	Fo + ()MHz	Typ. dBc	dBc
Return Loss	Min. 12 dB	23.4 dB	
Ripple	< 1 dB	dB	
Impedance	In / Out : 50 Ω	In / Out : 50 Ω	
(4)Torque for Tuning Screw	> 100gf · 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(0pF) / (0pF).



Approval	Supervisor	Designer	Aperture size
C.Y.Chang	C.K.Chang	C.S.Chang	5R4(3.8*3.7)(3.62) 5HW024RB3

TEMWELL CORPORATION

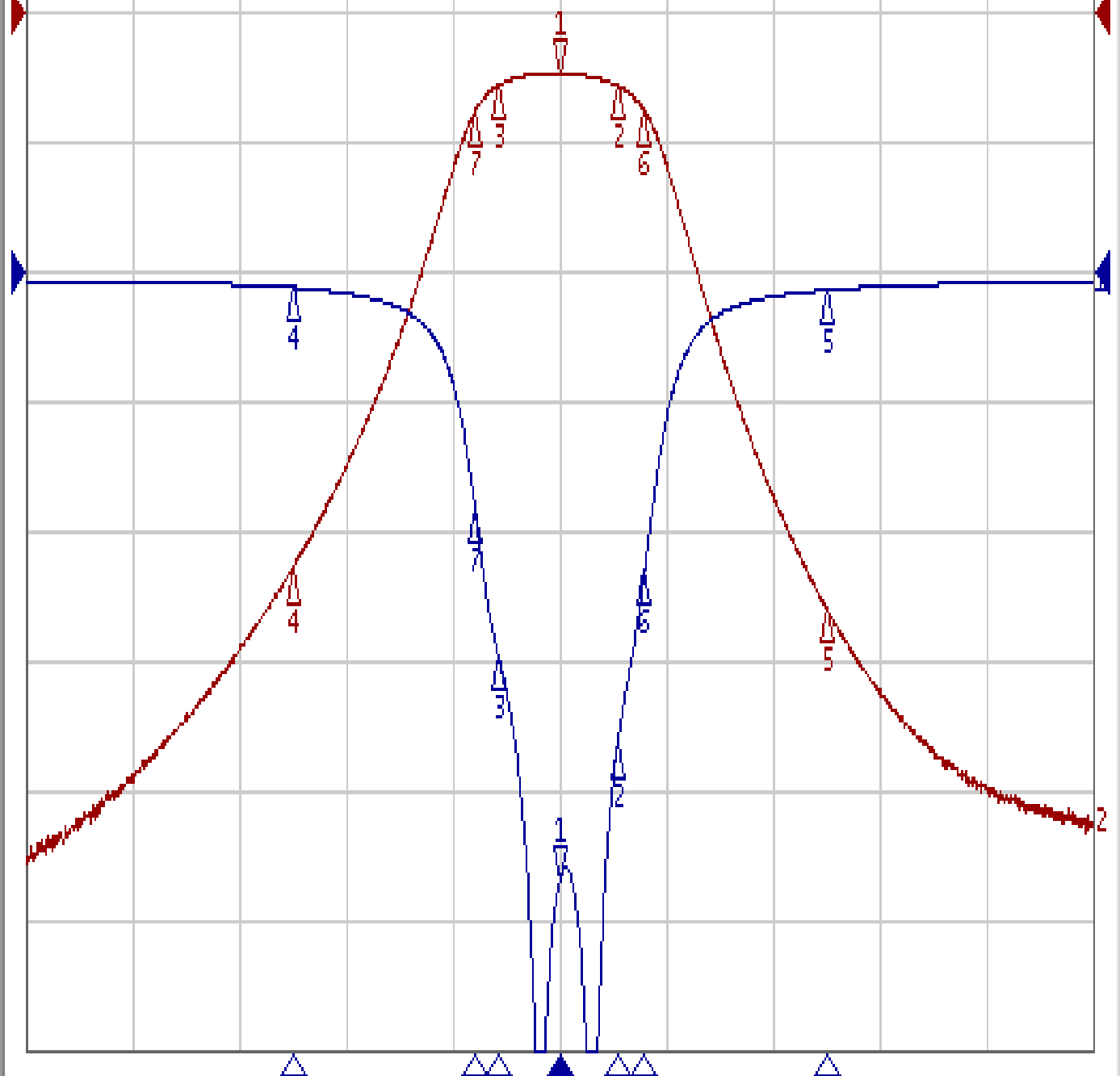
Performance-K4RF-1230M-20M

200905069CD

Tr1 S11 Log Mag 5.000dB/ Ref 0.000dB [F3]
Tr2 S21 Log Mag 10.00dB/ Ref 0.000dB [F3]

1	1.2300000 GHz	-4.5952 dB
2	1.2408693 GHz	-5.5705 dB
3	1.2184553 GHz	-5.5669 dB
4	1.1800000 GHz	-42.800 dB
5	1.2800000 GHz	-45.920 dB
6	1.2459780 GHz	-7.5633 dB
7	1.2141990 GHz	-7.5589 dB

>1	1.2300000 GHz	-23.486 dB
2	1.2408693 GHz	-18.200 dB
3	1.2184553 GHz	-14.722 dB
4	1.1800000 GHz	-0.5690 dB
5	1.2800000 GHz	-0.6686 dB
6	1.2459780 GHz	-11.470 dB
7	1.2141990 GHz	-9.1524 dB



1 Center 1.23 GHz

IFBW 10 kHz

Span 200 MHz

