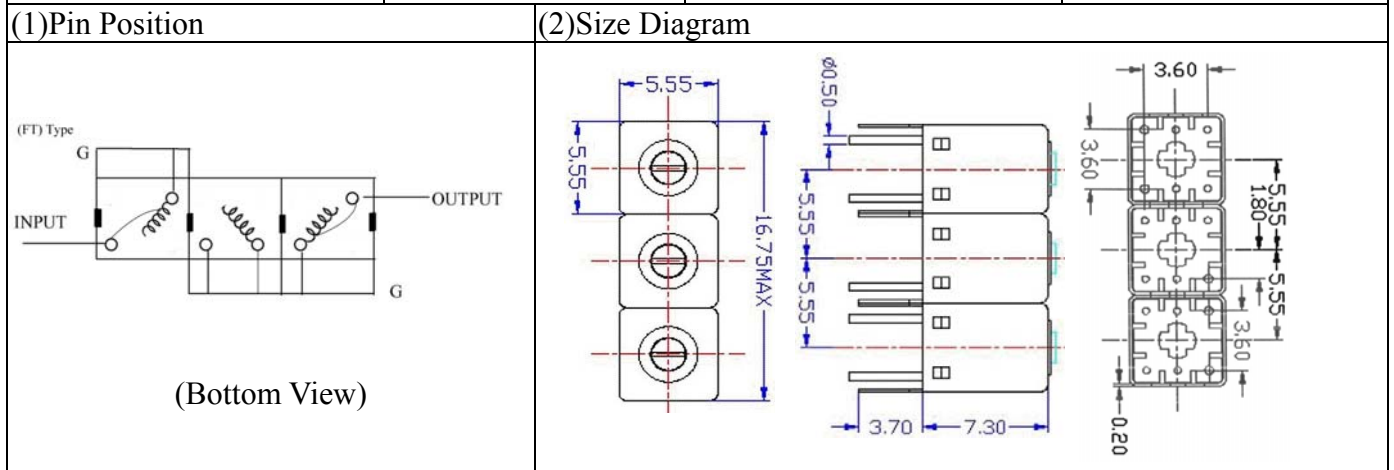


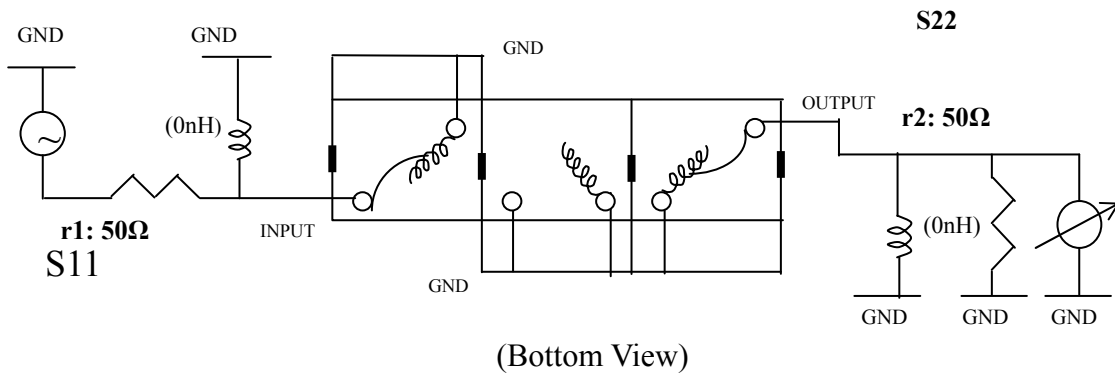
# VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	K3RFT-460M-18M
Approval No. /dated	0904116CD	Temwell,s print name	K3RFT 460M
Work Instruction No.	200904116CD	Date	Jun.12.2009



(3)Electric Charasteric					
Item		Specify		Performance	
Center Freq.(Fo ) +/- 0.5 %		460 MHz		460 MHz	
Insertion Loss		Typ. 4.0 dB		2.47 dB	
-3 dB Bandwidth		Typ. 18 MHz		24.0 MHz	
Sensitivity (Attenuation )	Fo - 50 MHz	Typ. 28 dBc		54 dBc	
	Fo + 50 MHz	Typ. 23 dBc		30 dBc	
	Fo - ( )MHz	Typ. dBc		dBc	
	Fo +( )MHz	Typ. dBc		dBc	
Return Loss		Min. 12 dB		23.8 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		> 0.5Watt			

(7)Measuring Circuit: ※Easy to match Impedance S11/S22 50Ω by parallel with about( 0nH) / (0 nH).



Approval	Supervisor	Designer	Aperture size
C.Y.Chang	C.K.Chang	W.W.Wang	5R3S(3.8*4.7)(4.71) 5HW024LB3

TEMWELL CORPORATION

TEMWELL

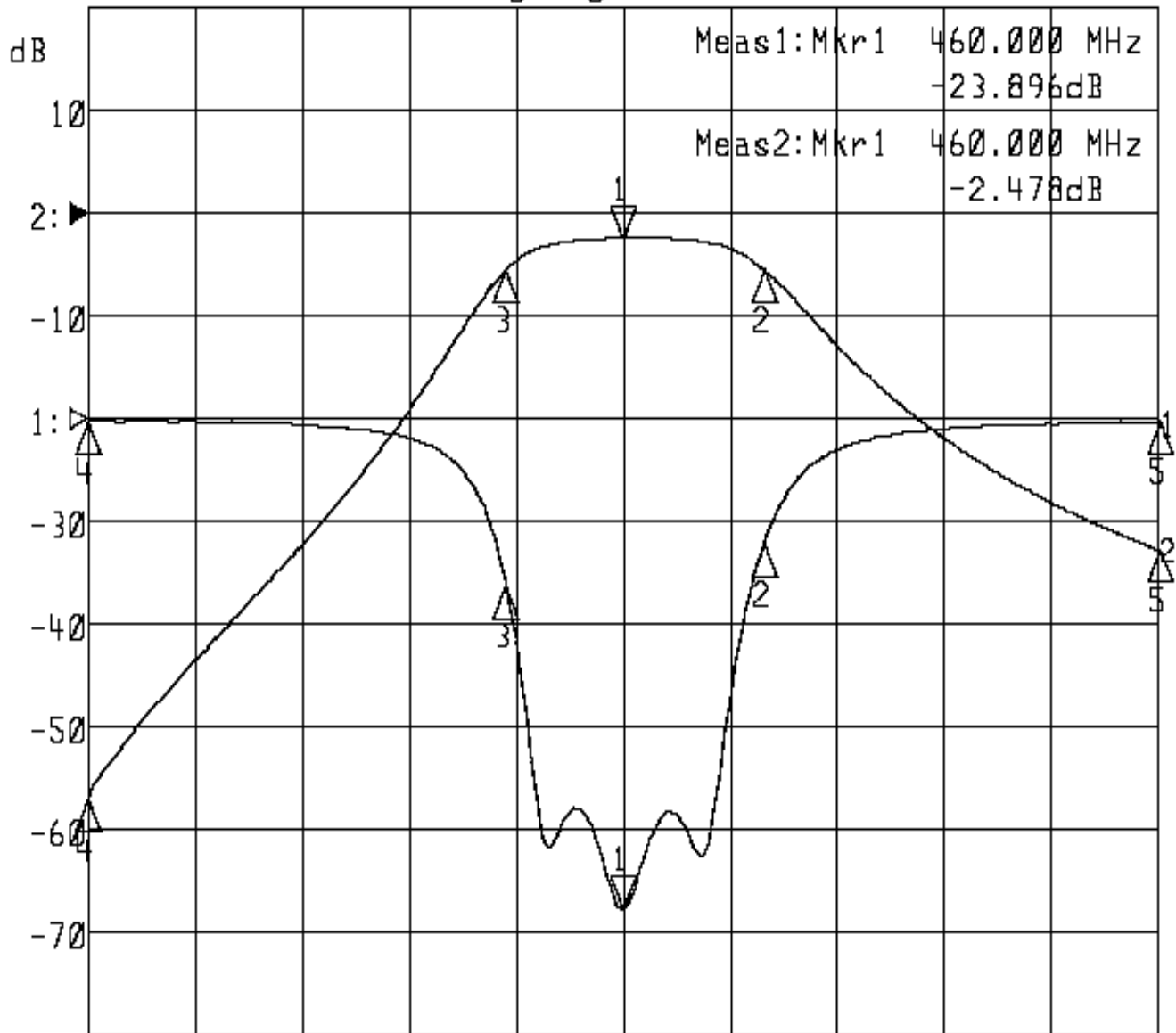
Form10-5R3FT Vision D RP(Y.H.Y)

# Performance-K3RFT-460M-18M

## 200904116CD

▷1:S11 Refl Port1 Log Mag 5.0 dB/ Ref 0.00 dB C

▷2:S21 Fwd Trans Log Mag 10.0 dB/ Ref 0.00 dB C



Center 460.000 MHz

Span 100.000 MHz

1:Mkr (MHz)	dB	2:Mkr (MHz)	dB
1> 460.0000	-23.896	1> 460.0000	-2.478
2: 473.1000	-6.160	2: 473.1000	-5.440
3: 449.1000	-8.102	3: 449.1000	-5.417
4: 410.0000	-0.108	4: 410.0000	-57.035
5: 510.0000	-0.141	5: 510.0000	-32.743