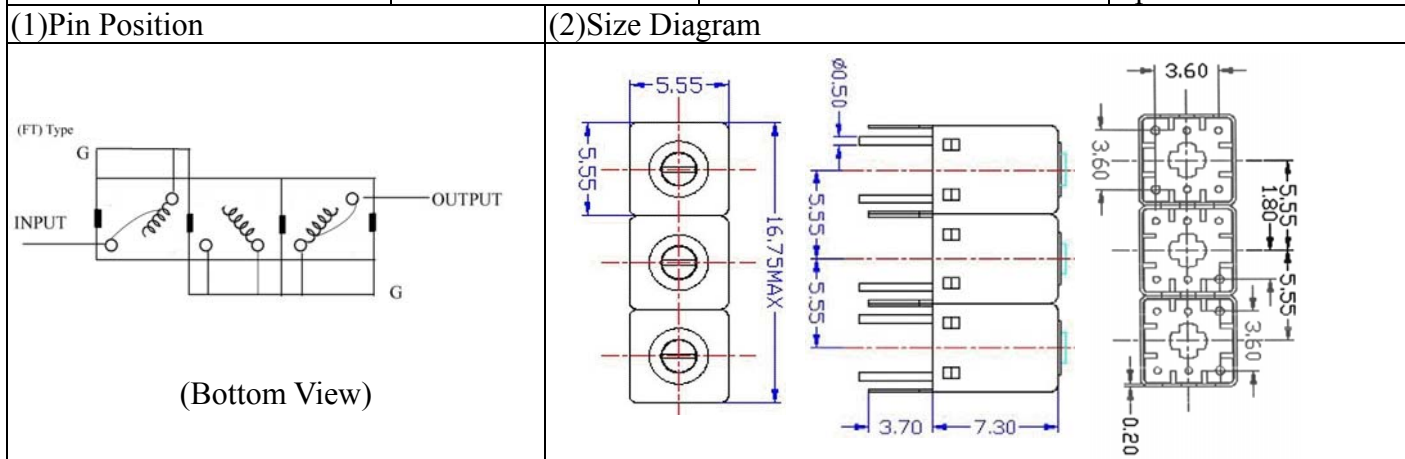


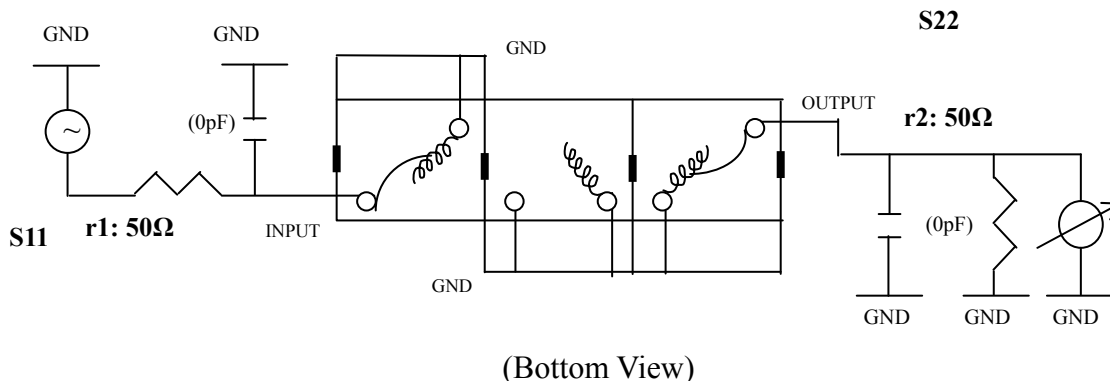
VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	K3RFT-400M-15M
Approval No. /dated	0904113CD	Temwell's Print Name	K3RFT 400M
Work Instruction No.	200904113CD	Date	Apr.27.2009



(3) Electric Characteristic			
Item		Specify	Performance
Center Freq.(Fo) +/- 0.5 %		400 MHz	400 MHz
Tunable Range:		400±3 MHz	400±3 MHz
Insertion Loss		Typ. 4.0 dB	2.80 dB
-3 dB Bandwidth		Typ. 15 MHz	19.1 MHz
Sensitivity (Attenuation)	Fo - 50 MHz	Typ. 34 dBc	60 dBc
	Fo + 50 MHz	Typ. 31 dBc	35 dBc
	Fo - ()MHz	Typ. dBc	dBc
	Fo + ()MHz	Typ. dBc	dBc
Return Loss		Min. 12 dB	21.0 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(0pF) / (0pF).



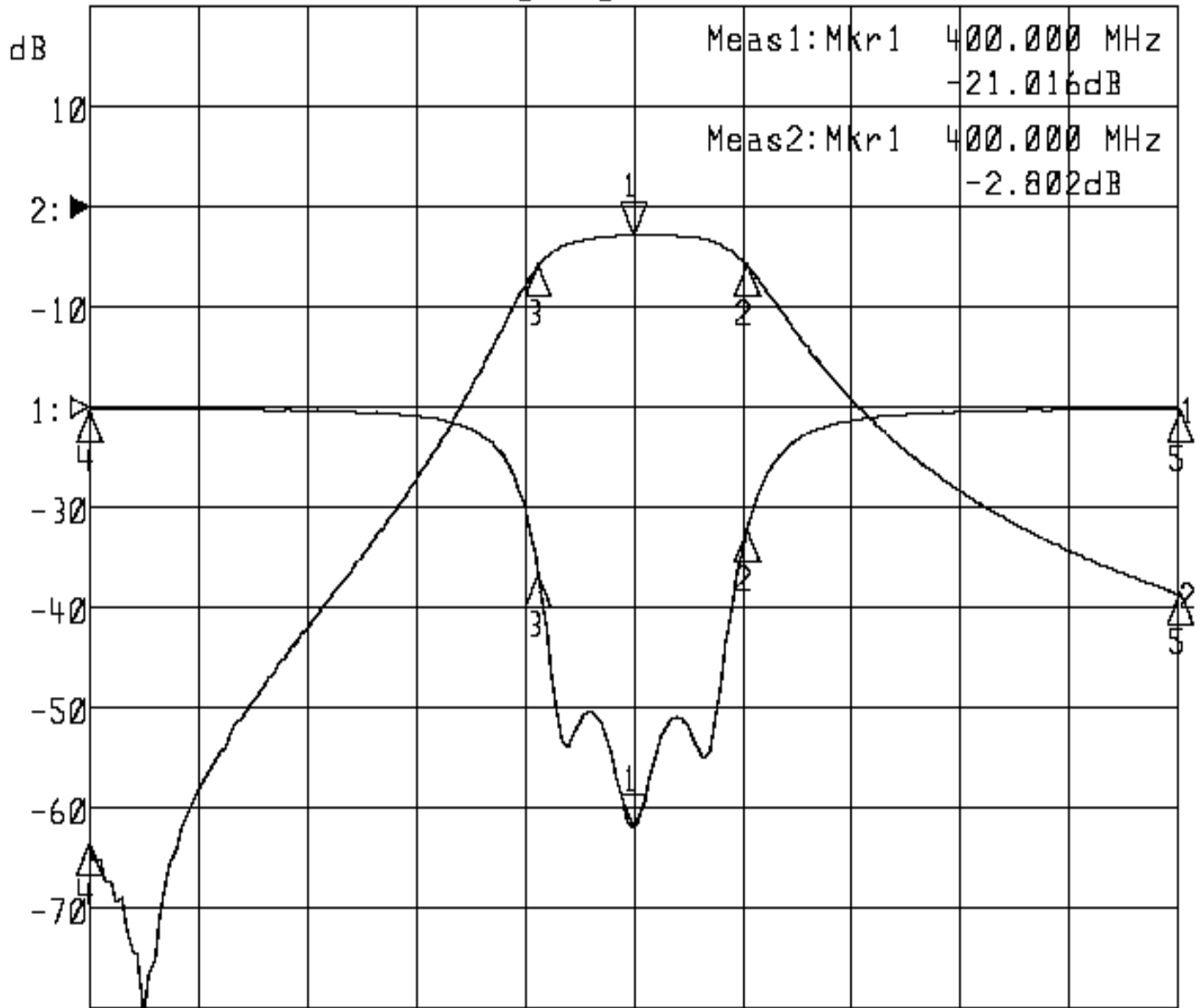
Approval	Supervisor	Designer	Aperture size
C.Y.Chang	C.K.Chang	Y.M.Kang	5R3S(3.8*4.2)(4.24) (5HW024LB3)

TEMWELL CORPORATION

Performance-K3RFT-400M-15M

200904113CD

►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 400.000 MHz

Span 100.000 MHz

1:Mkr (MHz)	dB	2:Mkr (MHz)	dB
1> 400.0000	-21.016	1> 400.0000	-2.802
2: 410.4000	-6.166	2: 410.4000	-5.818
3: 391.3000	-8.376	3: 391.3000	-5.822
4: 350.0000	-0.069	4: 350.0000	-63.582
5: 450.0000	-0.089	5: 450.0000	-38.611