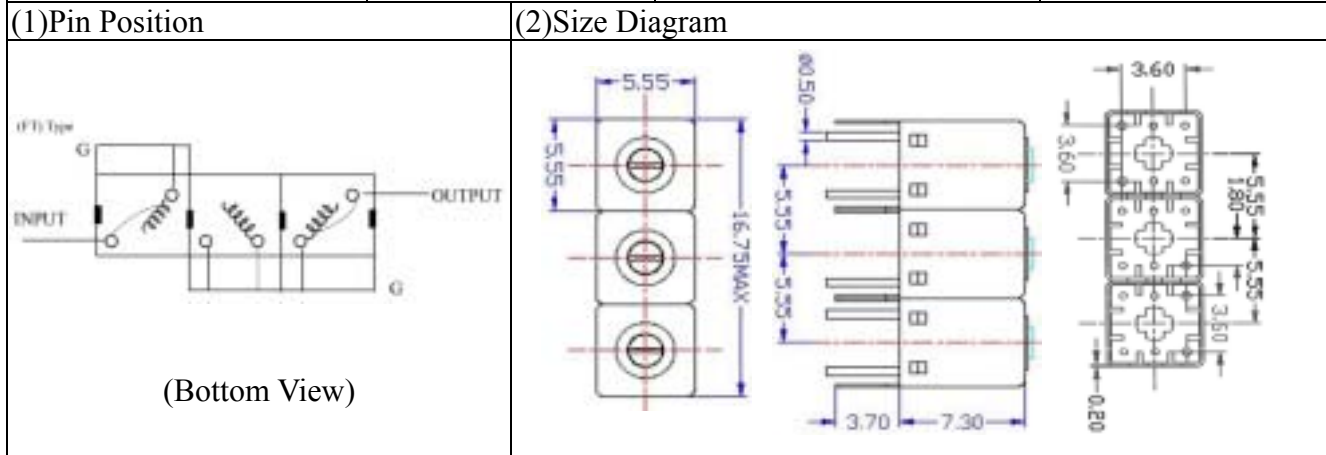


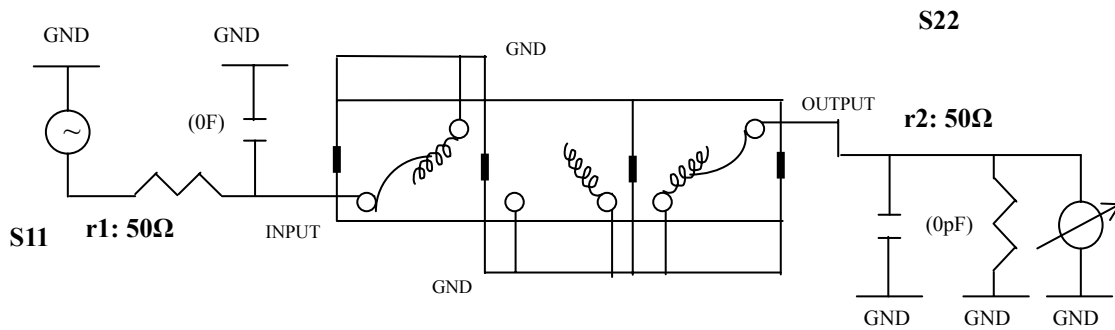
VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	K3RFT-495M-20M
Approval No. /dated	0909061CD	Temwell's Print Name	K3RFT 495M
Work Instruction No.	200909061CD	Date	Oct.05.2009



(3) Electric Characteristic	
Item	Specify
Center Freq.(Fo) +/- 0.5 %	495 MHz
Insertion Loss	Typ. 4.0 dB
-3 dB Bandwidth	Typ. 20 MHz
Sensitivity (Attenuation)	Fo - 50 MHz Typ. 26 dBc
	Fo + 50 MHz Typ. 22 dBc
	Fo - ()MHz Typ. dBc
	Fo +()MHz Typ. dBc
Return Loss	Min. 12 dB
Ripple	
Impedance	In / Out : 50 Ω
(4) Torque for Tuning Screw	
> 60gf cm	
(5) Temperature Condition:	
Operating Temperature	0 ~ +60
Storage Temperature	-20 ~ +70
(6) Input Power	
> 0.5Watt	

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



(Bottom View)

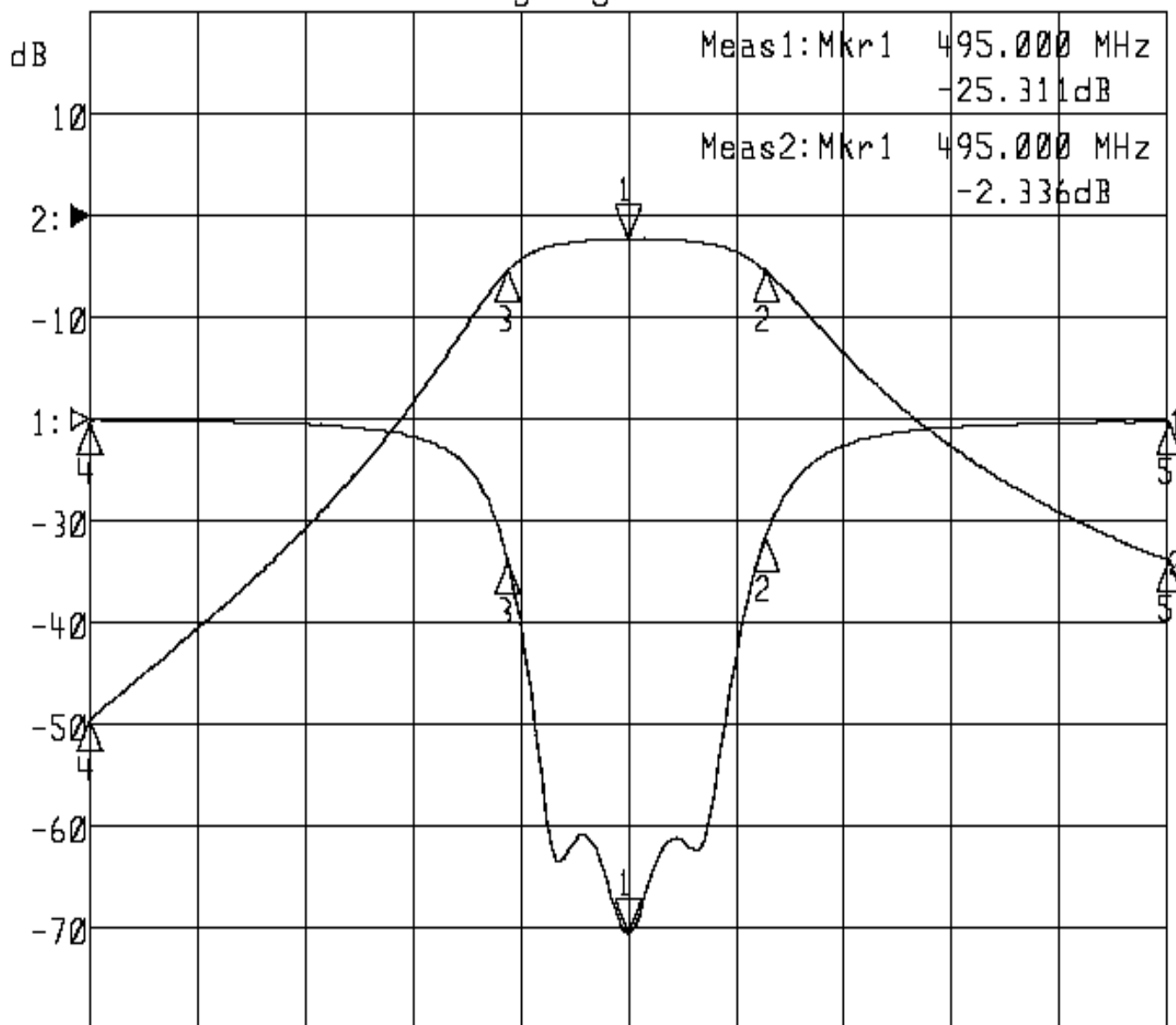
Approval	Supervisor	Designer	Aperture size
C.Y.Chang	C.K.Chang	J.F.Lin	5R3(3.8*4.2)(4.30) 5HW024LB3

TEMWELL CORPORATION

Performance-K3RFT-495M-20M

200909061CD

▶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 495.000 MHz

Span 100.000 MHz

1: Mkr (MHz)	dB	2: Mkr (MHz)	dB
1> 495.0000	-25.311	1> 495.0000	-2.336
2: 507.7000	-5.879	2: 507.7000	-5.359
3: 483.9000	-7.040	3: 483.9000	-5.341
4: 445.0000	-0.064	4: 445.0000	-49.591
5: 545.0000	-0.111	5: 545.0000	-33.808