

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

(1)Pin Position	(2)Size Diagram
<p>(Bottom View)</p>	

(3)Electric Charasteric			
Item		Specify	Performance
Center Freq.(Fo) +/- 0.5 %		495 MHz	495 MHz
Insertion Loss		Typ. 4.0 dB	2.33 dB
-3 dB Bandwidth		Typ. 20 MHz	23.8 MHz
Sensitivity (Attenuation)	Fo - 50 MHz	Typ. 26 dBc	47 dBc
	Fo + 50 MHz	Typ. 22 dBc	31 dBc
	Fo - ()MHz	Typ. dBc	dBc
	Fo +()MHz	Typ. dBc	dBc
Return Loss		Min. 12 dB	25.3 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).			
<p>(Bottom View)</p>			

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

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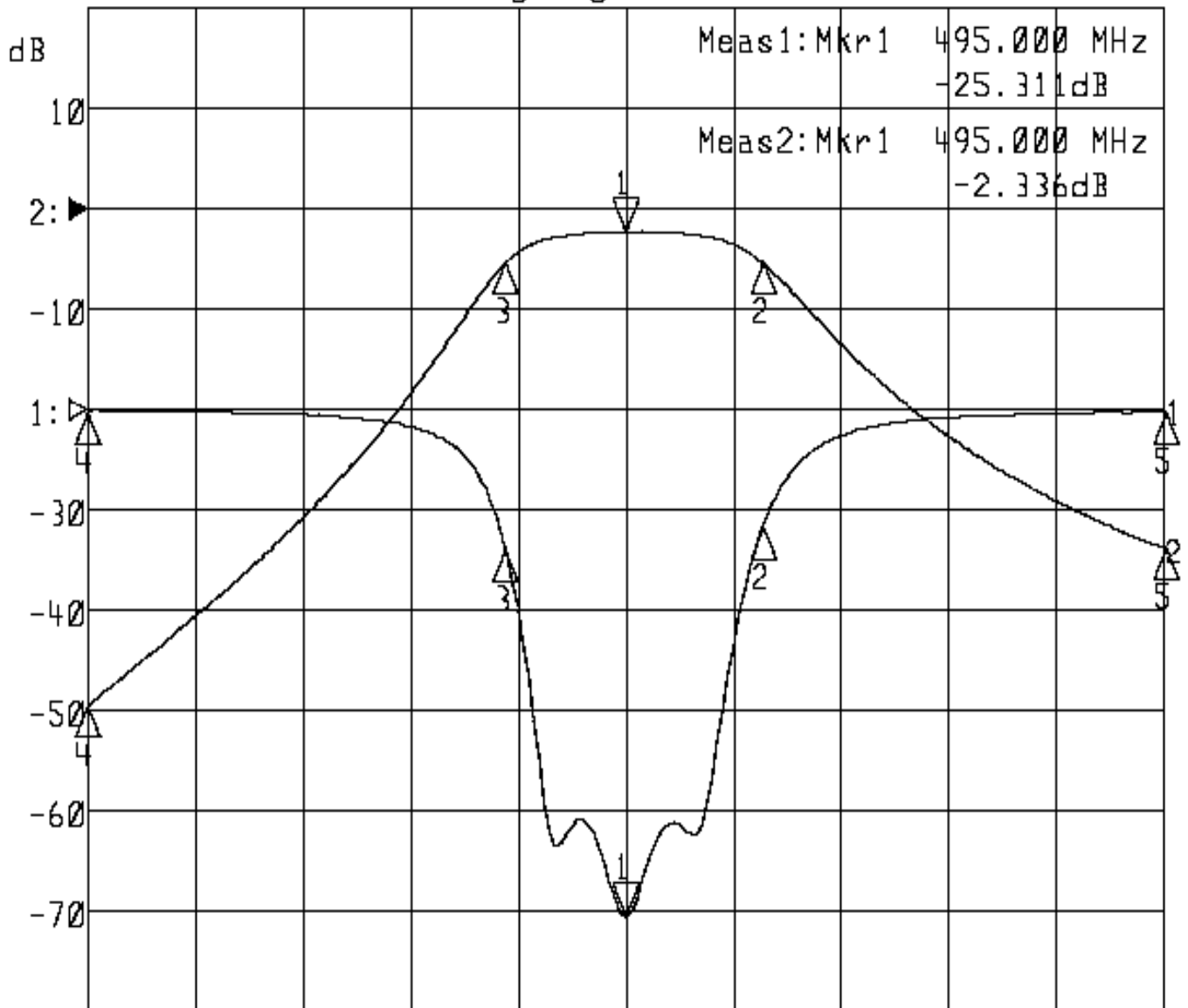
Form10-5R3FT Vision D RP(J.F.Lin)

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