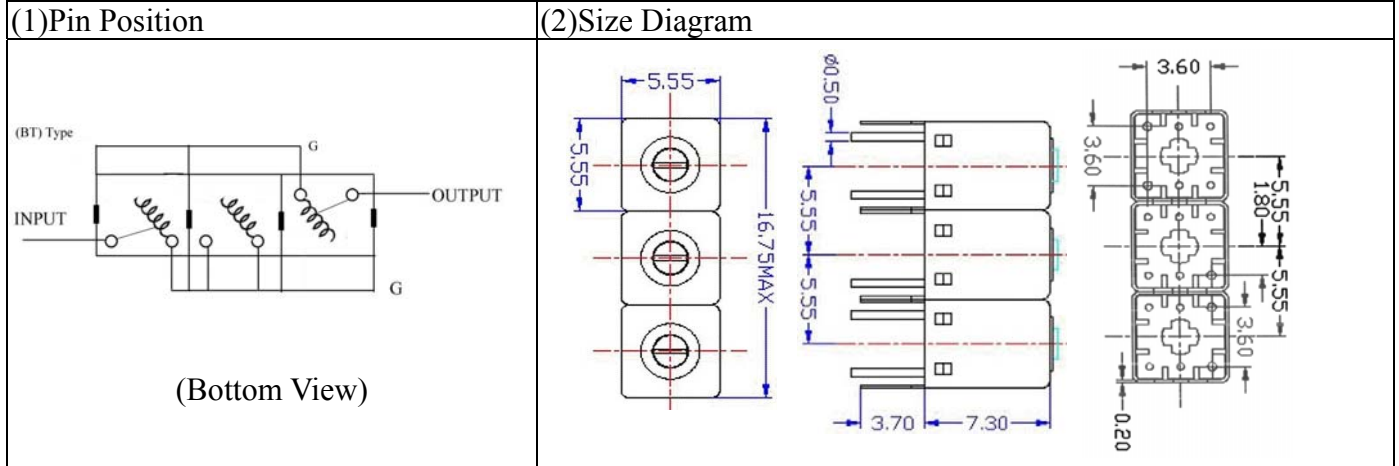


VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	K3RBT-830M-20M
Approval No. /dated	0909073CD	Temwell's Print name	K3RBT 830M
Work Instruction No.	200909073CD	Date	Oct.21.2009



(3) Electric Characteristic

Item	Specify	Performance	
Center Freq.(Fo) +/- 0.5 %	830 MHz	830 MHz	
Insertion Loss	Typ. 4.0 dB	2.93 dB	
-3 dB Bandwidth	Typ. 20 MHz	24.3 MHz	
Sensitivity (Attenuation)	Fo - 50 MHz	Typ. 26 dBc	34 dBc
	Fo + 50 MHz	Typ. 22 dBc	28 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		

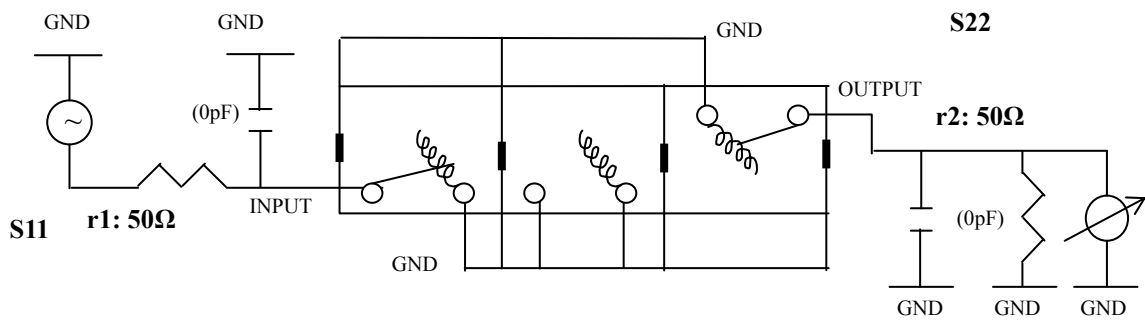
(5) Temperature Condition:

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).



(Bottom View)

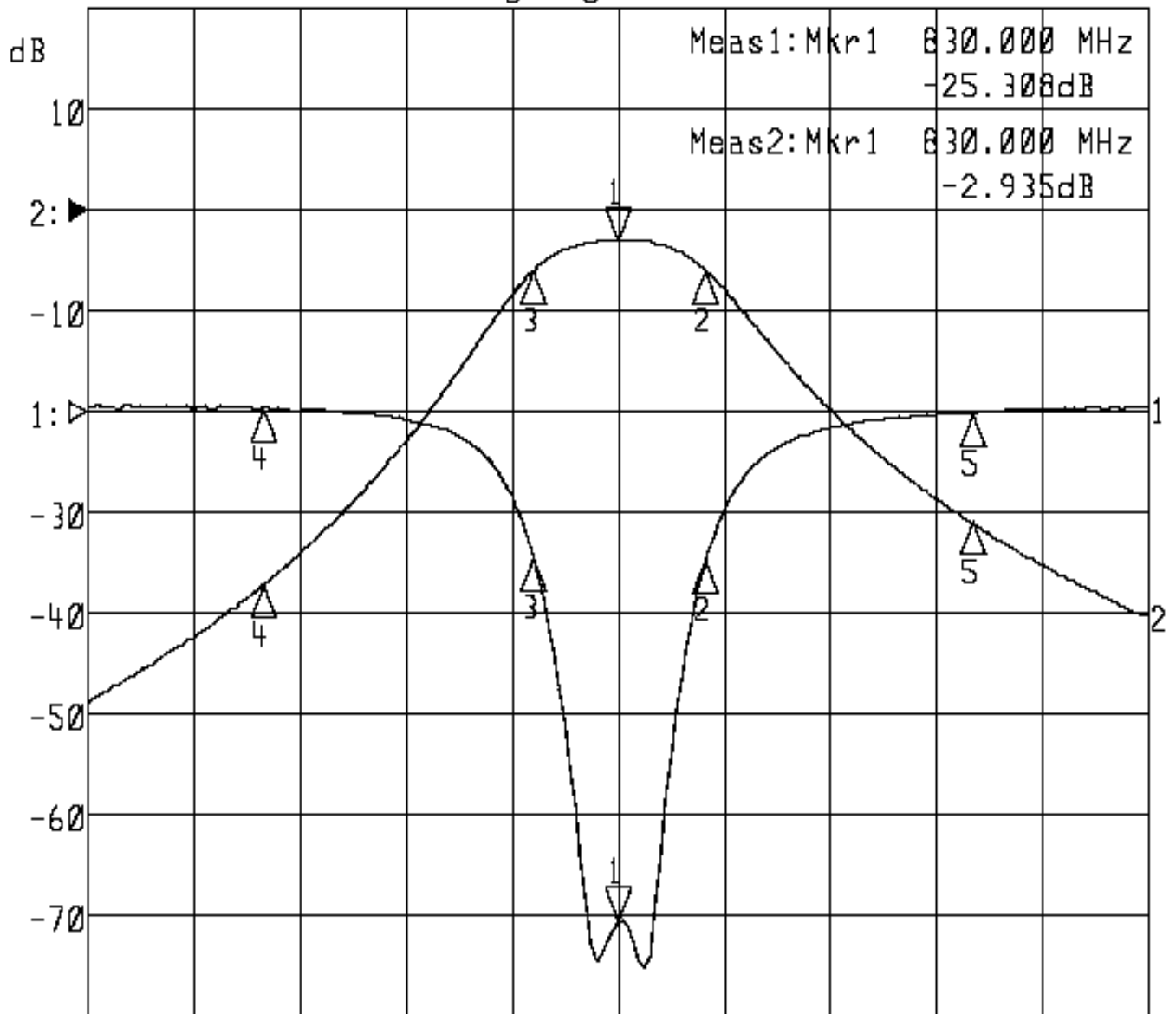
Approval	Supervisor	Designer	Aperture size
C.Y.Chang	C.K.Chang	L.F.Lai	5R3S(3.8*3.7)(3.83) 5HW024RB3

TEMWELL CORPORATION

Performance-K3RBT-830M-20M

200909073CD

▶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 830.000 MHz

Span 150.000 MHz

1:Mkr (MHz)	dB	2:Mkr (MHz)	dB
1> 830.0000	-25.308	1> 830.0000	-2.935
2: 842.4000	-7.386	2: 842.4000	-5.951
3: 818.1000	-7.257	3: 818.1000	-5.983
4: 780.0000	0.165	4: 780.0000	-37.141
5: 880.0000	-0.067	5: 880.0000	-31.035