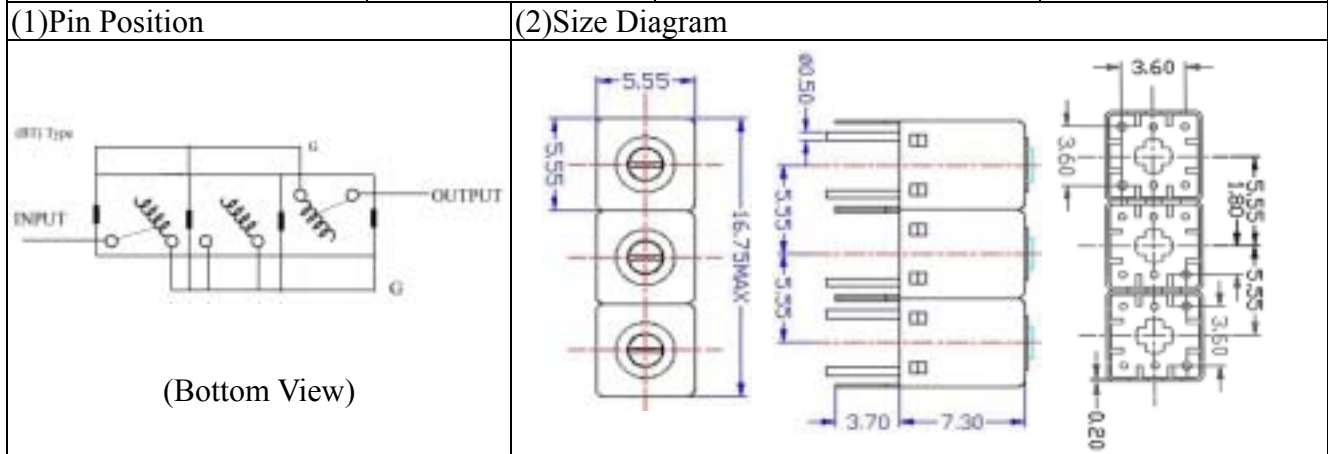


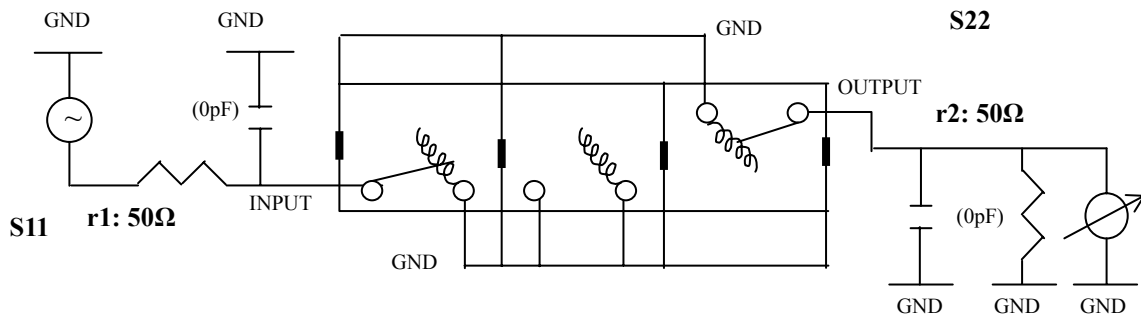
# VHF UHF Helical Filter Specification Sheet

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 Charasteric	
Item	Specify
Center Freq.(Fo ) +/- 0.5 %	830 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	< 1 dB
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 C.Y.Chang	Supervisor C.K.Chang	Designer L.F.Lai	Aperture size 5R3S(3.8*3.7)(3.83) 5HW024RB3
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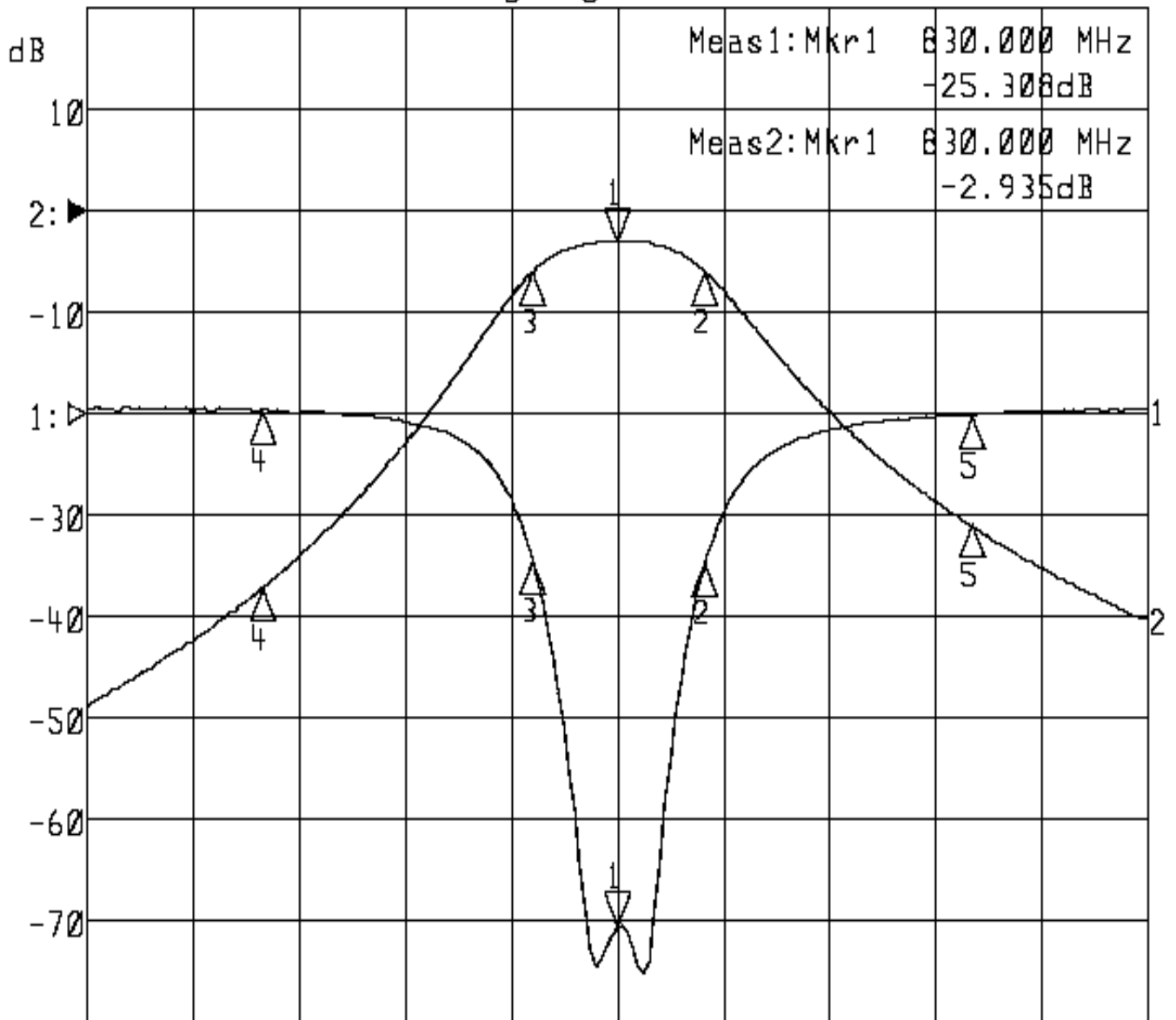
TEMWELL CORPORATION

# 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