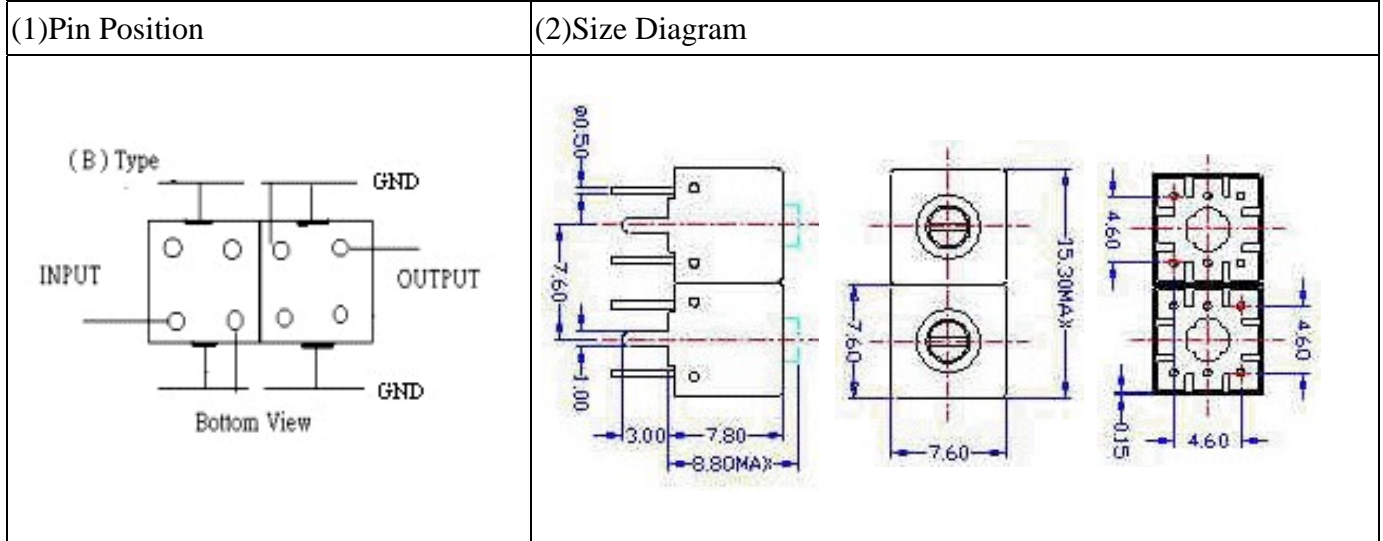


VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TDS2014B-230M
Approval No. /dated	20103063DC	Acceptable Specify Fo. Range	221~245MHz
Work Instruction No.	20103063DC	Date	2001.04.19



(3) Electric Character

Item	Specify	Performance	
Center Freq.(Fo) +/- 0.5 %	230 MHz	230 MHz	
Tunable Range	230±4 MHz	230±4 MHz	
Insertion Loss	Typ. 3.0 dB	1.8 dB	
-3 dB Bandwidth	Typ. 21 MHz	23 MHz	
Sensitivity (Attenuation)	Fo - 50 MHz	Typ. 19 dBc	22 dBc
	Fo + 50 MHz	Typ. 22 dBc	25 dBc
	Fo - ()MHz	Typ. dBc	dBc
	Fo +()MHz	Typ. dBc	dBc
Return Loss	Min. 12 dB	26 dB	
Ripple	< 1 dB	dB	
Impedance	In / Out : 50 Ω	In / Out : 50 Ω	

(4) Torque for Tuning Screw > 100gf · cm

(5) Temperature Condition:

Operating Temperature	0°C ~ +60°C
Storage Temperature	-20°C ~ +70°C

(6) Input Power > 1Watt

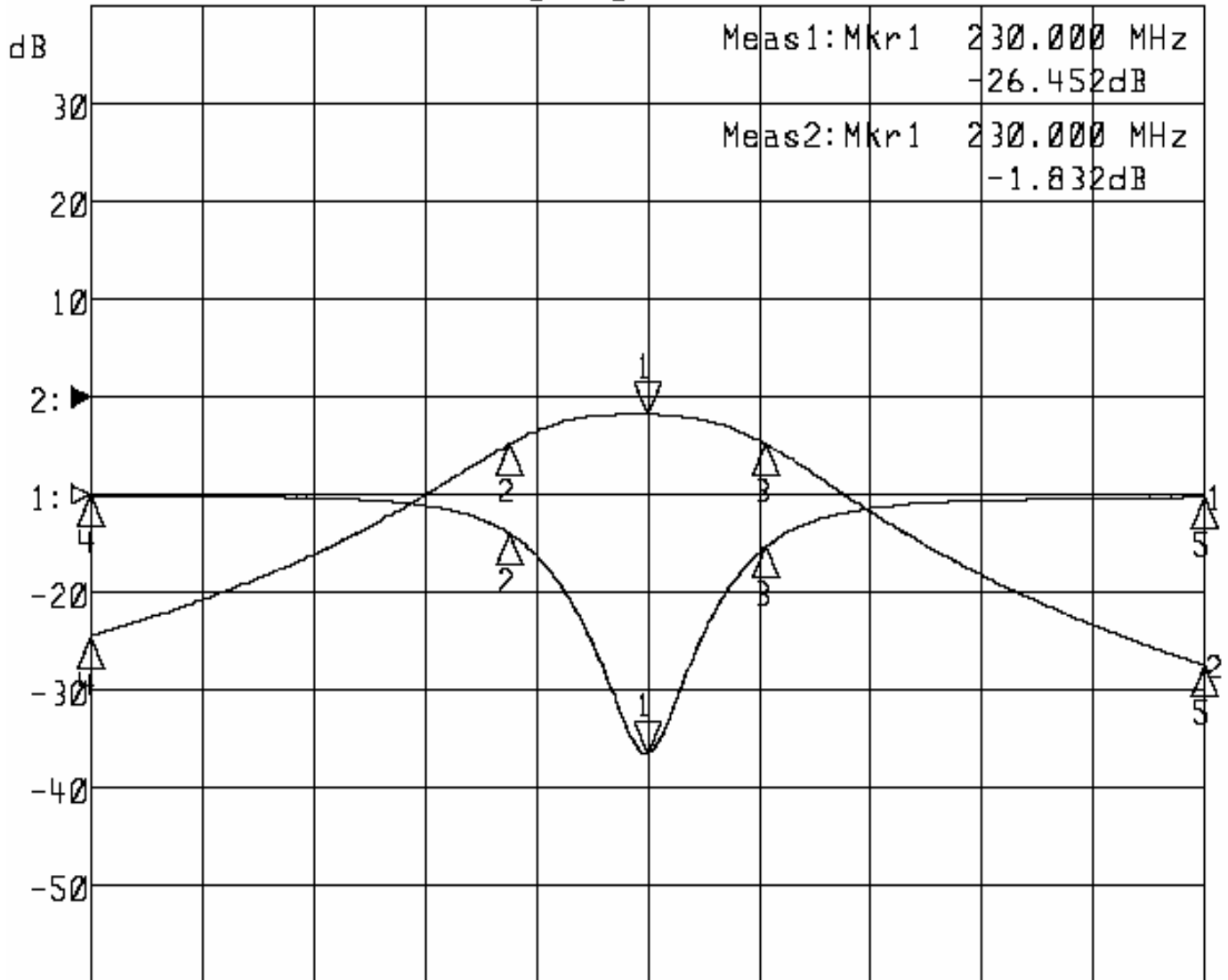
Approval	Supervisor	Designer	Aperture size
C.Y.Chang	C.S.Chang	C.S.Chang	7S2S(4*5.2) 7S00LB5

TEMWELL CORPORATION

Performance- TDS2014B-230M

20103063DC

▶1: S11 Refl Port1 Log Mag 10.0 dB/ Ref 0.00 dB C
 ▶2: S21 Fwd Trans Log Mag 10.0 dB/ Ref 0.00 dB C



Meas1: Mkr1 230.000 MHz
 -26.452dB
 Meas2: Mkr1 230.000 MHz
 -1.832dB

Center 230.000 MHz

Span 100.000 MHz

1: Mkr (MHz)	dB	2: Mkr (MHz)	dB
1> 230.0000	-26.452	1> 230.0000	-1.832
2: 217.6667	-4.011	2: 217.6667	-4.796
3: 240.6667	-5.313	3: 240.6667	-4.810
4: 180.0000	-0.047	4: 180.0000	-24.401
5: 279.9333	-0.257	5: 279.9333	-27.421