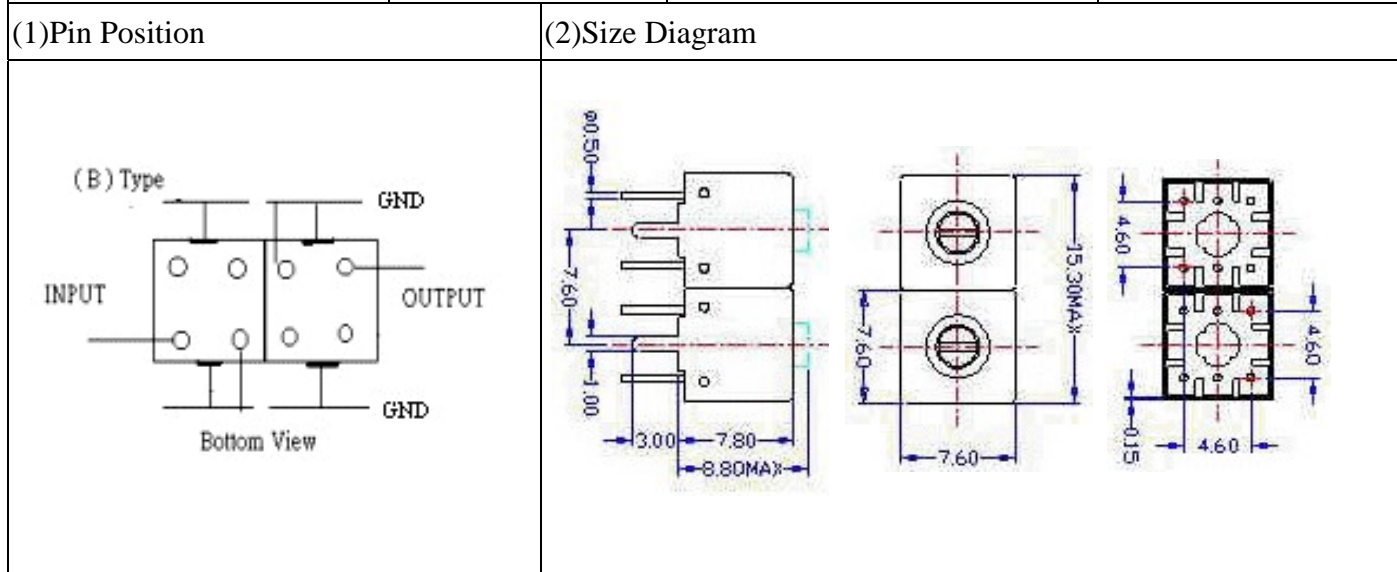


VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TDS2012B-230M
Approval No. /dated	20102027DC	Acceptable Specify Fo. Range	221~245MHz
Work Instruction No.	20102027DC	Date	2001.03.03



(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. 3.5 dB	2.7 dB	
-3 dB Bandwidth	Typ. 14 MHz	15.4 MHz	
Sensitivity (Attenuation)	Fo - 50 MHz	Typ. 24 dBc	27 dBc
	Fo + 50 MHz	Typ. 33 dBc	36 dBc
	Fo - ()MHz	Typ. dBc	dBc
	Fo +()MHz	Typ. dBc	dBc
Return Loss	Min. 12 dB	27 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

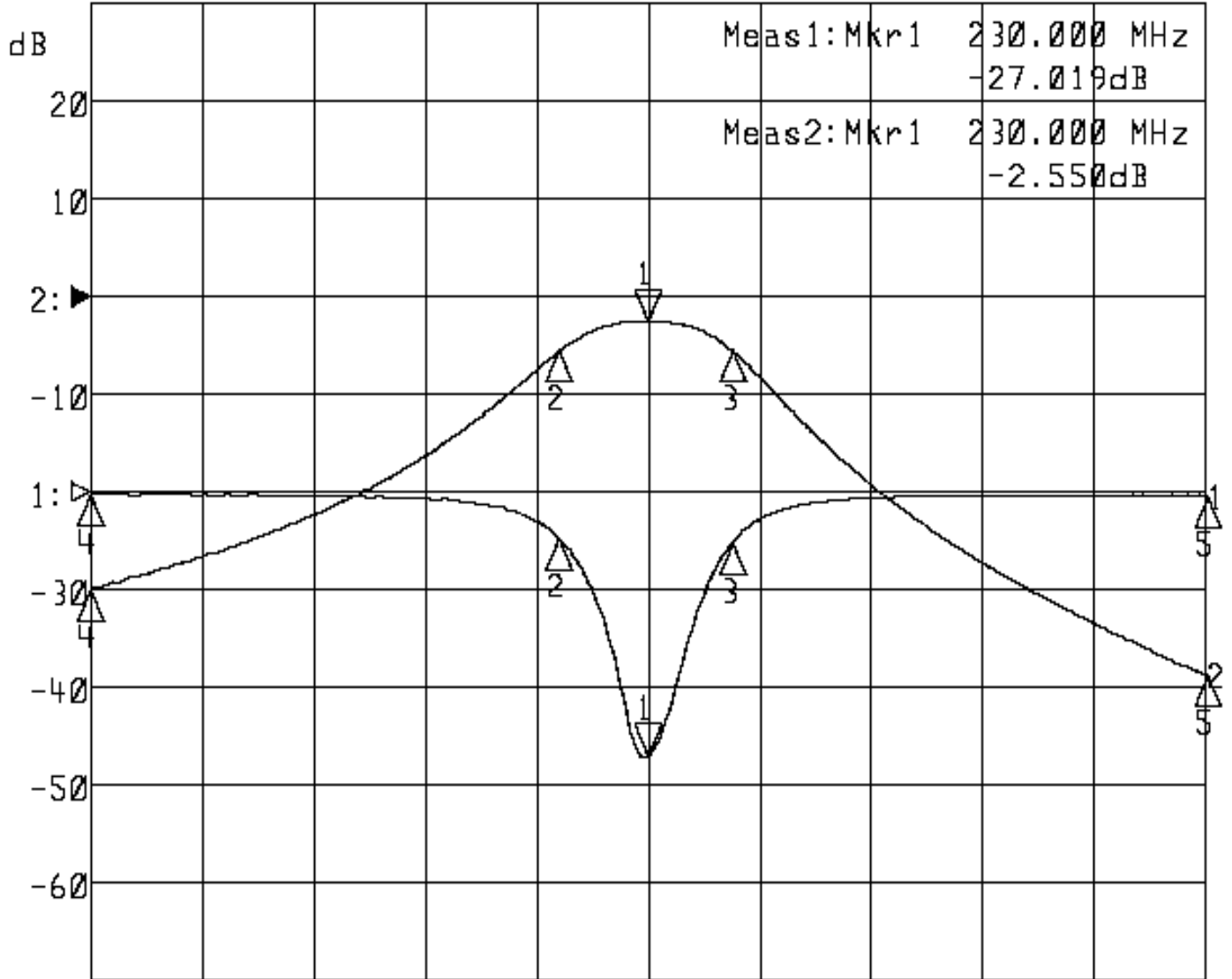
Approval	Supervisor	Designer	Aperture size
C.Y.Chang	C.S.Chang	C.S.Chang	7S2S(4*4.5) 7S00LB6

TEMWELL CORPORATION

Performance- TDS2012B-230M

20102027DC

▶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



Center 230.000 MHz

Span 100.000 MHz

1: Mkr (MHz)	dB	2: Mkr (MHz)	dB
1> 230.0000	-27.019	1> 230.0000	-2.550
2: 222.1000	-4.809	2: 222.1000	-5.540
3: 237.5333	-5.268	3: 237.5333	-5.532
4: 180.0000	-0.292	4: 180.0000	-30.009
5: 280.0000	-0.389	5: 280.0000	-38.743