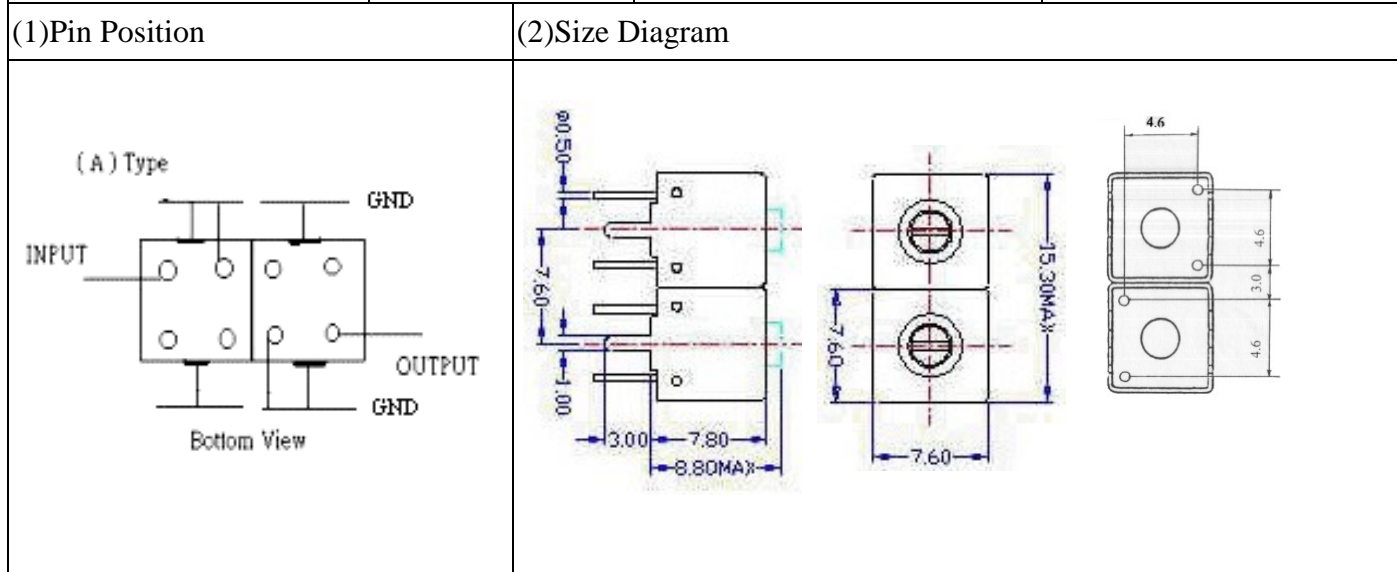


VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TDS2272A-1230M
Approval No. /dated	20106031DC	Acceptable Specify Fo. Range	1181~1250MHz
Work Instruction No.	20106031DC	Date	2001.06.15



(3) Electric Character

Item	Specify	Performance
Center Freq.(Fo) +/- 0.5 %	1230 MHz	1230 MHz
Tunable Range	1230±5 MHz	1230±5 MHz
Insertion Loss	Typ. 3.5 dB	2.5 dB
-3 dB Bandwidth	Typ. 33 MHz	39 MHz
Sensitivity (Attenuation)	Fo - 70 MHz	Typ. 16 dBc
	Fo + 70 MHz	Typ. 15 dBc
	Fo - ()MHz	Typ. dBc
	Fo +()MHz	Typ. dBc
Return Loss	Min. 12 dB	14 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

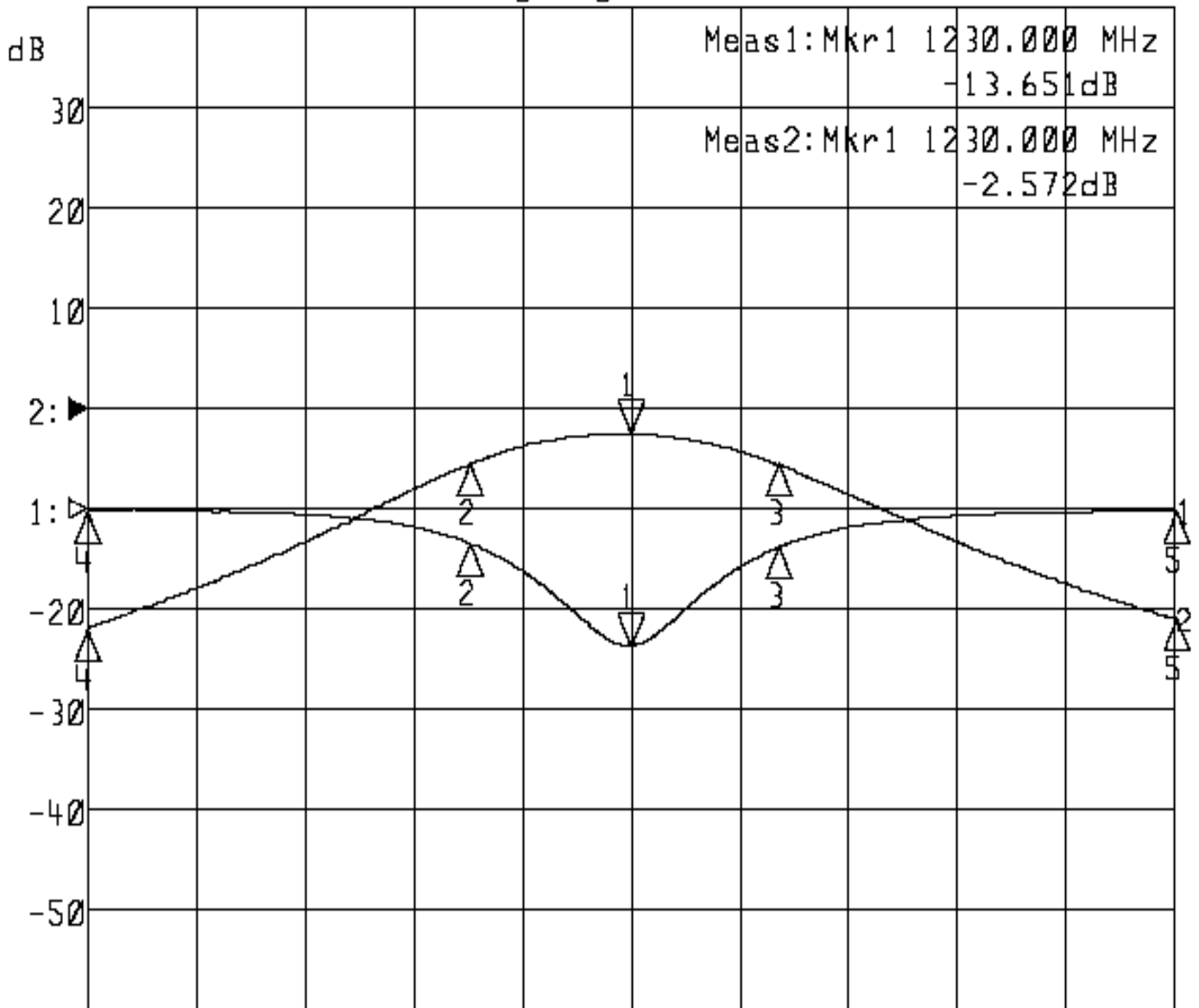
	> 1Watt		
Approval	Supervisor	Designer	Aperture size
C.Y.Chang	C.S.Chang	C.S.Chang	7S2S(4*5.2) 7S046LB4

TEMWELL CORPORATION

Performance-TDS2272A-1230M

20106031DC

▶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 1 230.000 MHz

Span 140.000 MHz

1: Mkr (MHz)	dB	2: Mkr (MHz)	dB
1> 1230.0000	-13.651	1> 1230.0000	-2.572
2: 1209.3733	-3.514	2: 1209.3733	-5.550
3: 1248.9933	-3.844	3: 1248.9933	-5.607
4: 1160.0000	-0.156	4: 1160.0000	-21.928
5: 1300.0000	-0.246	5: 1300.0000	-20.994