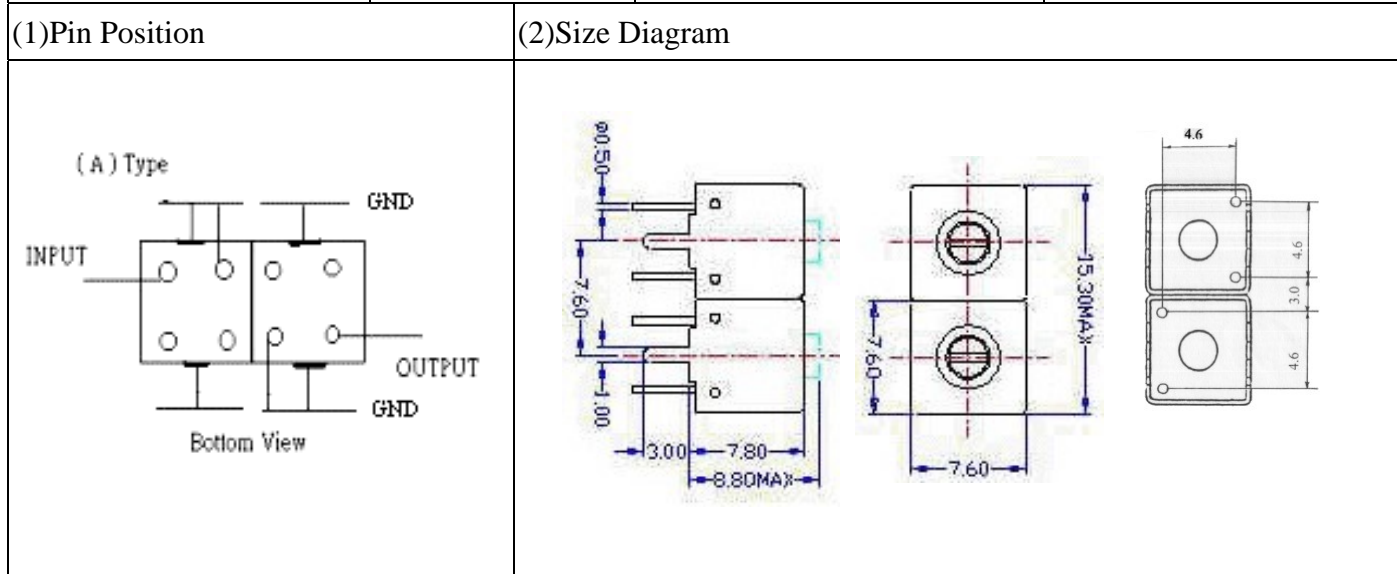


VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TDS2294A-1370M
Approval No. /dated	20110049DC	Acceptable Specify Fo. Range	1301~1500MHz
Work Instruction No.	20110049DC	Date	2001.10.31



(3) Electric Character

Item	Specify	Performance
Center Freq.(Fo) +/- 0.5 %	1370 MHz	1370 MHz
Tunable Range	1370±5 MHz	1370±5 MHz
Insertion Loss	Typ. 2.0 dB	1.3 dB
-3 dB Bandwidth	Typ. 84 MHz	91 MHz
Sensitivity (Attenuation)	Fo - 150 MHz	Typ. 19 dBc
	Fo + 150 MHz	Typ. 16 dBc
	Fo - ()MHz	Typ. dBc
	Fo +()MHz	Typ. dBc
Return Loss	Min. 12 dB	31 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

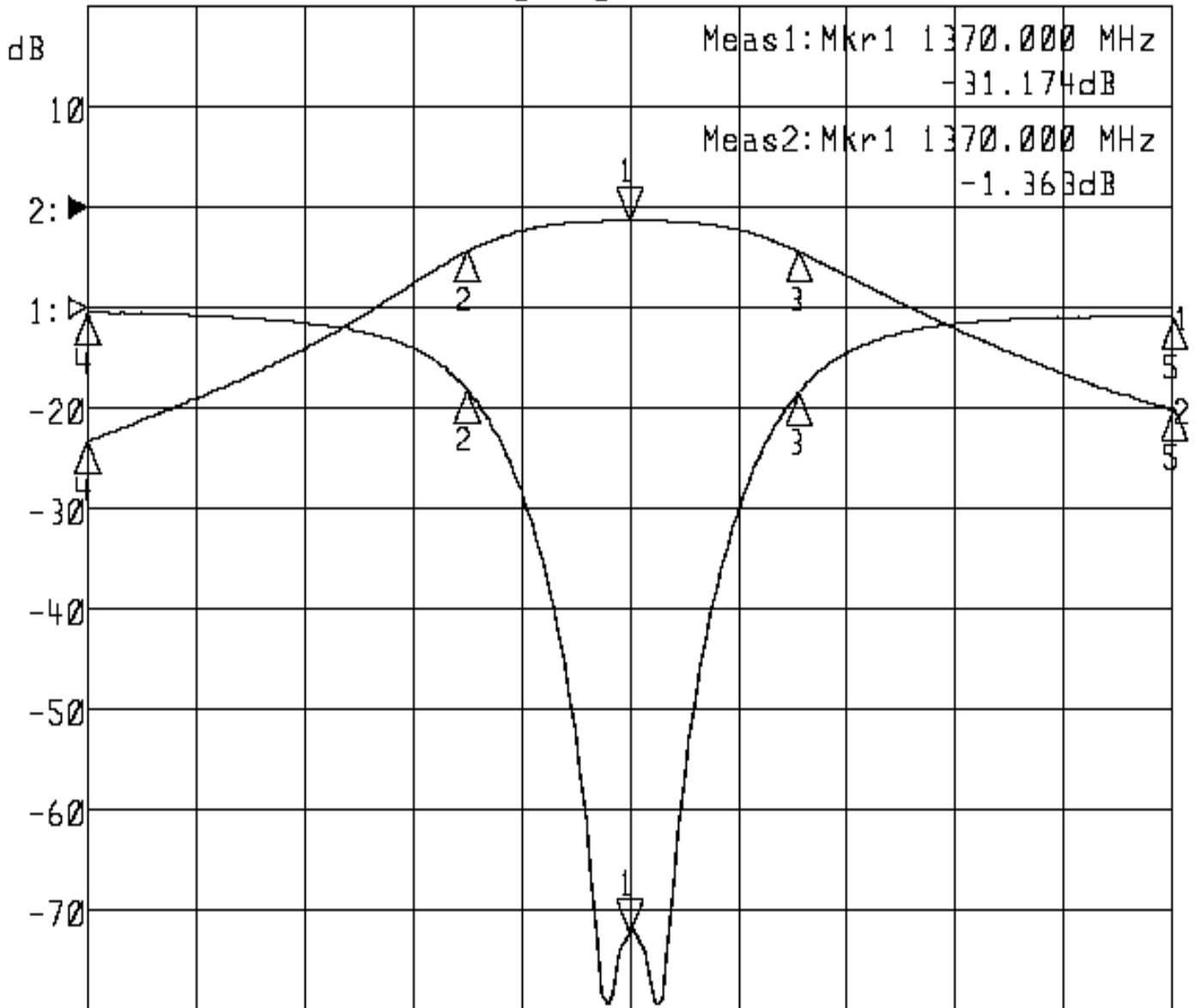
			> 1Watt
Approval	Supervisor	Designer	Aperture size
C.Y.Chang	C.S.Chang	C.S.Chang	7S2S(4*4.5) 7S046LB6

TEMWELL CORPORATION

Performance-TDS2294A-1370M

20110049DC

▷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 1 370.000 MHz

Span 300.000 MHz

1:Mkr (MHz)	dB	2:Mkr (MHz)	dB
1> 1370.0000	-31.174	1> 1370.0000	-1.363
2: 1325.2000	-4.083	2: 1325.2000	-4.332
3: 1416.5000	-4.247	3: 1416.5000	-4.371
4: 1220.0000	-0.213	4: 1220.0000	-23.296
5: 1520.0000	-0.447	5: 1520.0000	-20.118