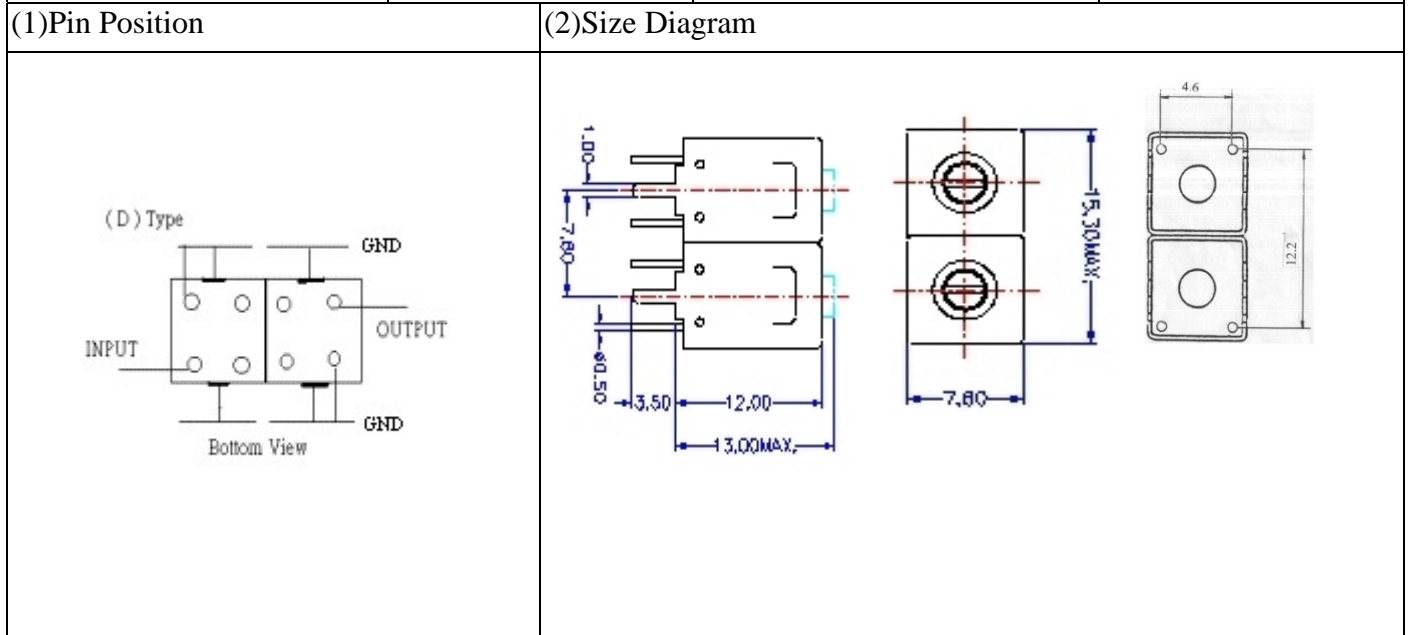


VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TD6729D-151M
Approval No. /dated	20011012B	Acceptable Specify Fo. Range	146~165M
Work Instruction No.	20011012B	Date	Nov.13.2000



(3)Electric Charasteric

Item	Specify	Performance	
Center Freq.(Fo) +/- 0.5 %	151 MHz	151 MHz	
Tunable Range	151±2 MHz	151±2 MHz	
Insertion Loss	Typ. 3.5 dB	2.56 dB	
-3 dB Bandwidth	Typ. 7 MHz	9 MHz	
Sensitivity (Attenuation)	Fo - 20 MHz	Typ. 20 dBc	23 dBc
	Fo + 20 MHz	Typ. 21 dBc	25 dBc
	Fo - ()MHz	Typ. dBc	dBc
	Fo +()MHz	Typ. dBc	dBc
Return Loss	Min. 12 dB	30.3 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

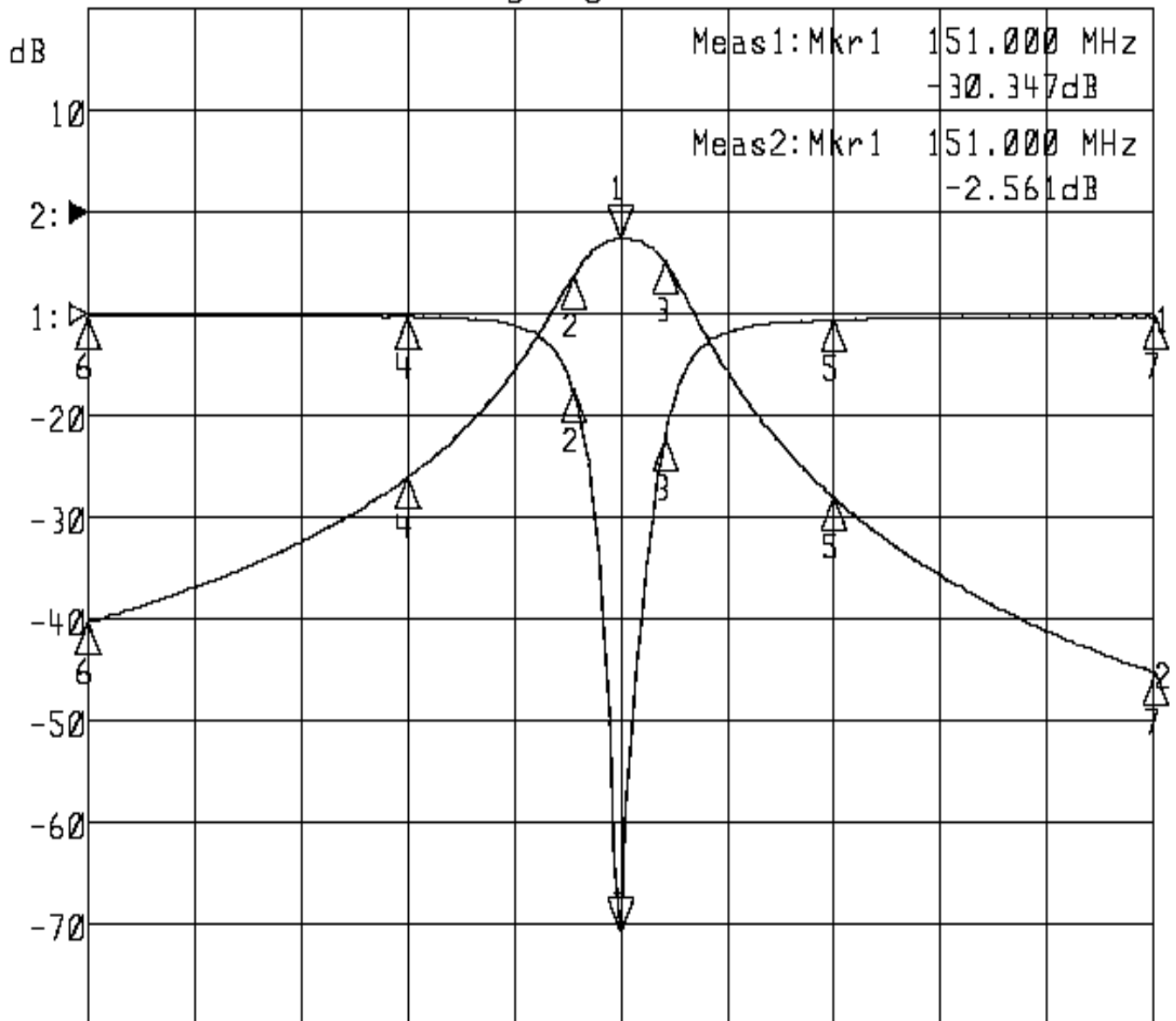
Approval	Supervisor	Designer	Aperture size
C.Y.Chang	C.S.Chang	C.S.Chang	7H2S(4*6.5) 7H024LB4

TEMWELL CORPORATION

Performance-TD6729D-151M

20011012B

▶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 151.000 MHz

Span 100.000 MHz

1:Mkr (MHz)	dB	2:Mkr (MHz)	dB
1> 151.0000	-30.347	1> 151.0000	-2.561
2: 146.6000	-3.794	2: 146.6000	-6.259
3: 155.1667	-6.148	3: 155.1667	-4.872
4: 131.0000	-0.138	4: 131.0000	-26.107
5: 171.0000	-0.282	5: 171.0000	-27.979
6: 101.0000	-0.089	6: 101.0000	-40.358
7: 201.0000	-0.169	7: 201.0000	-45.288