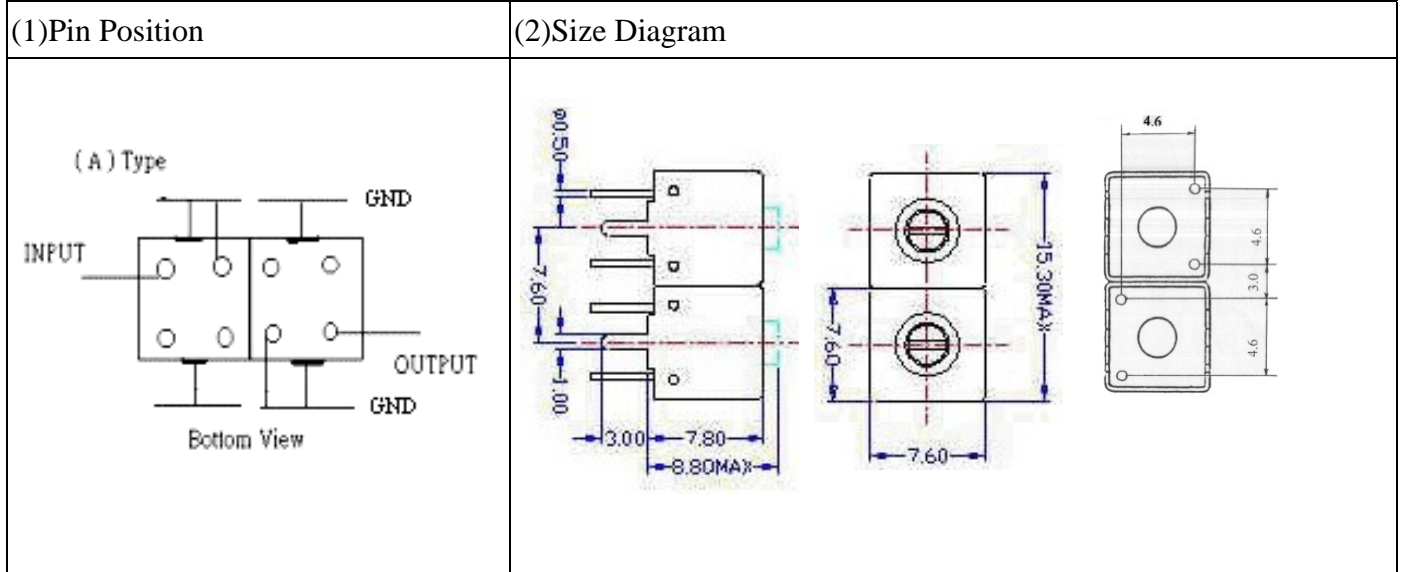


VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TDS2164A-850M
Approval No. /dated	20104052DC	Acceptable Specify Fo. Range	831~860MHz
Work Instruction No.	20104052DC	Date	2001.4.19



(3) Electric Character

Item	Specify	Performance
Center Freq.(Fo) +/- 0.5 %	850 MHz	850 MHz
Tunable Range	850±10 MHz	850±10 MHz
Insertion Loss	Typ. 4.0 dB	3.1 dB
-3 dB Bandwidth	Typ. 20 MHz	25 MHz
Sensitivity (Attenuation)	Fo - 50 MHz	Typ. 20 dBc
	Fo + 50 MHz	Typ. 17 dBc
	Fo - ()MHz	Typ. dBc
	Fo +()MHz	Typ. dBc
Return Loss	Min. 12 dB	49 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

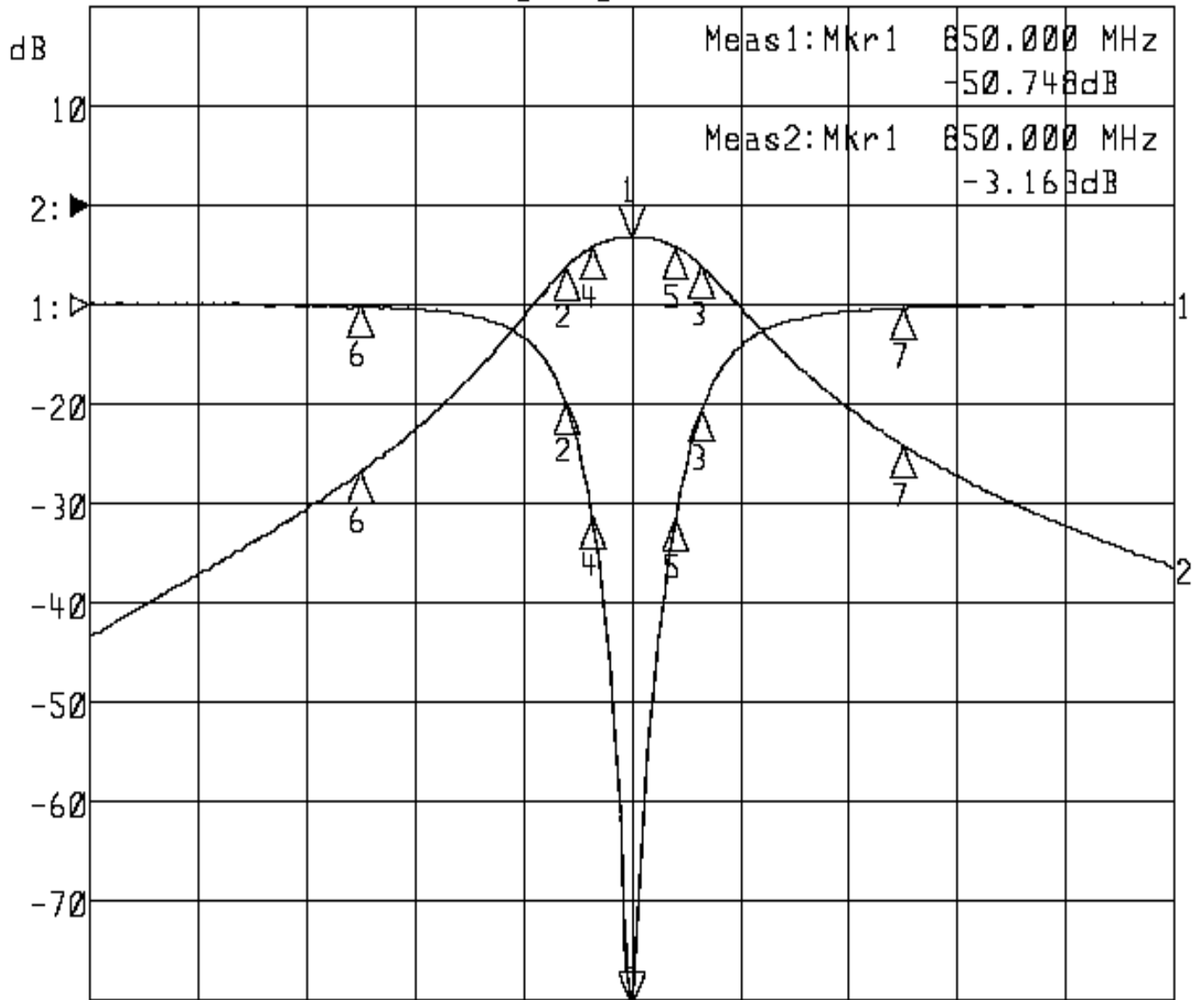
Approval	Supervisor	Designer	Aperture size
C.Y.Chang	C.S.Chang	C.S.Chang	7S2S(4*5.2) 7S046LB4

TEMWELL CORPORATION

Performance-TDS2164A-850M

20104052DC

►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 850.000 MHz

Span 200.000 MHz

1:Mkr (MHz)	dB	2:Mkr (MHz)	dB
1> 850.0000	-50.748	1> 850.0000	-3.163
2: 837.9333	-4.930	2: 837.9333	-6.192
3: 862.9333	-5.293	3: 862.9333	-6.088
4: 842.7333	-10.593	4: 842.7333	-4.162
5: 858.1333	-10.729	5: 858.1333	-4.163
6: 800.0000	-0.048	6: 800.0000	-26.789
7: 900.0000	-0.179	7: 900.0000	-24.128