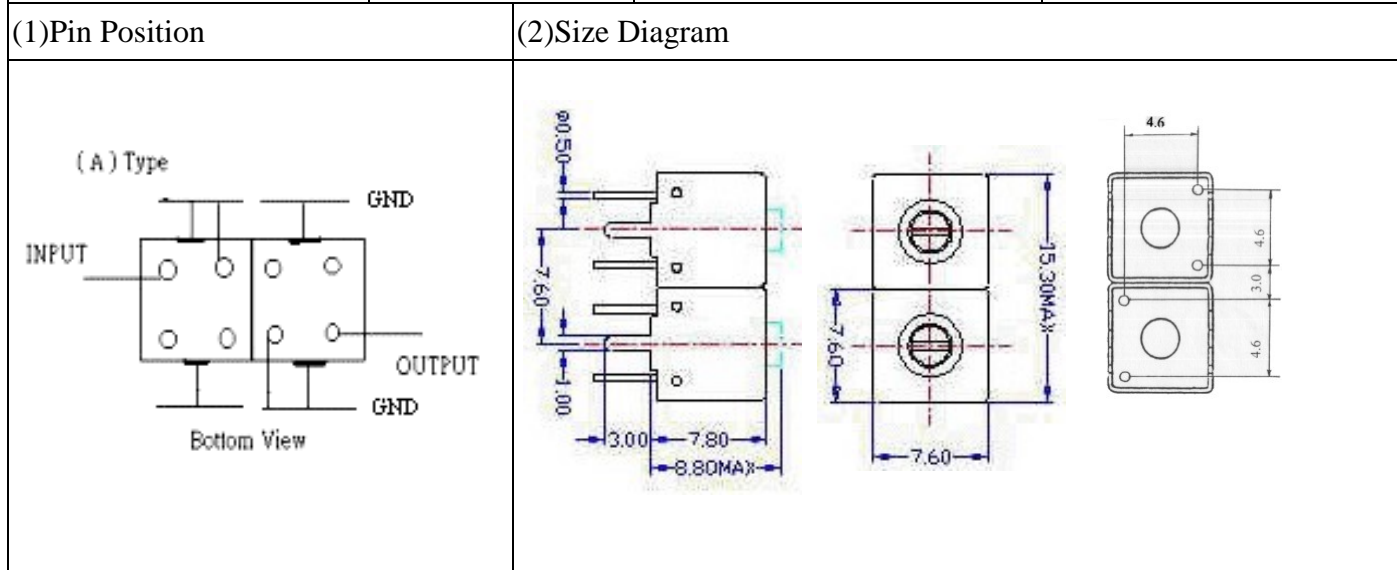


VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TDS2194A-915M
Approval No. /dated	20104058DC	Acceptable Specify Fo. Range	901~930MHz
Work Instruction No.	20104058DC	Date	2001.4.18



(3) Electric Character

Item	Specify	Performance	
Center Freq.(Fo) +/- 0.5 %	915 MHz	915 MHz	
Tunable Range	915±10 MHz	915±10 MHz	
Insertion Loss	Typ. 4.0 dB	2.9 dB	
-3 dB Bandwidth	Typ. 24 MHz	29 MHz	
Sensitivity (Attenuation)	Fo - 50 MHz	Typ. 18 dBc	21 dBc
	Fo + 50 MHz	Typ. 14 dBc	17 dBc
	Fo - ()MHz	Typ. dBc	dBc
	Fo +()MHz	Typ. dBc	dBc
Return Loss	Min. 12 dB	24.5 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
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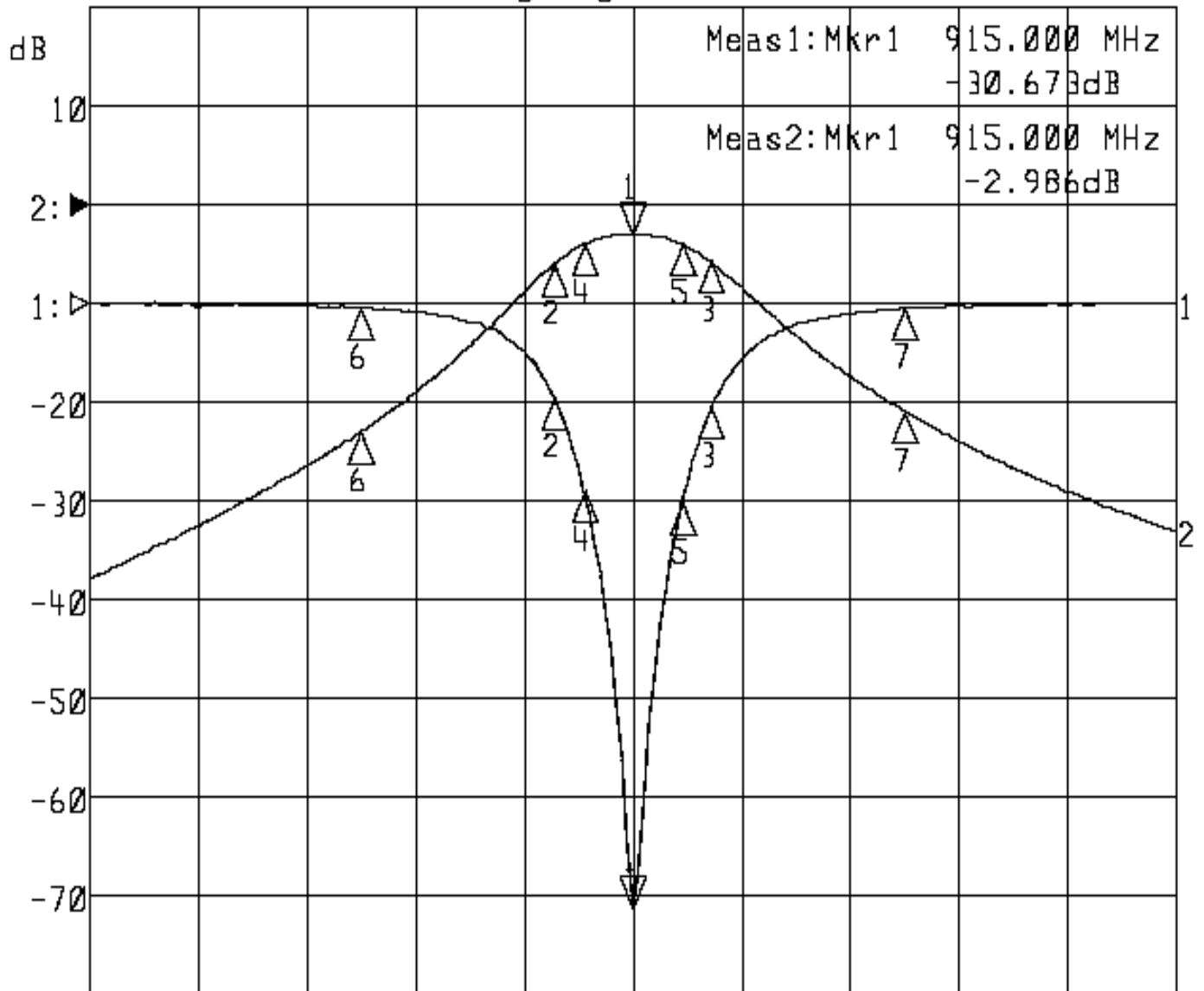
Approval	Supervisor	Designer	Aperture size
C.Y.Chang	C.S.Chang	C.S.Chang	7S2S(4*5.2) 7S046LB4

TEMWELL CORPORATION

Performance-TDS2194A-915M

20104058DC

▶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 915.000 MHz

Span 200.000 MHz

1: Mkr (MHz)	dB	2: Mkr (MHz)	dB
1> 915.0000	-30.673	1> 915.0000	-2.986
2: 900.4667	-4.707	2: 900.4667	-6.005
3: 929.4667	-5.273	3: 929.4667	-5.856
4: 906.1333	-9.560	4: 906.1333	-3.958
5: 924.0000	-10.122	5: 924.0000	-3.978
6: 865.0000	-0.199	6: 865.0000	-22.907
7: 965.0000	-0.269	7: 965.0000	-20.937