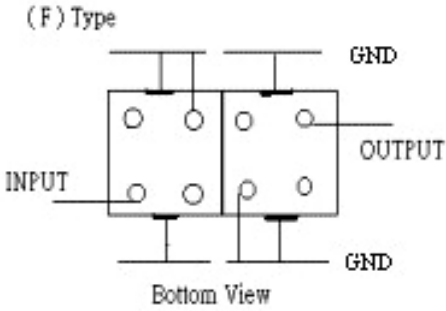
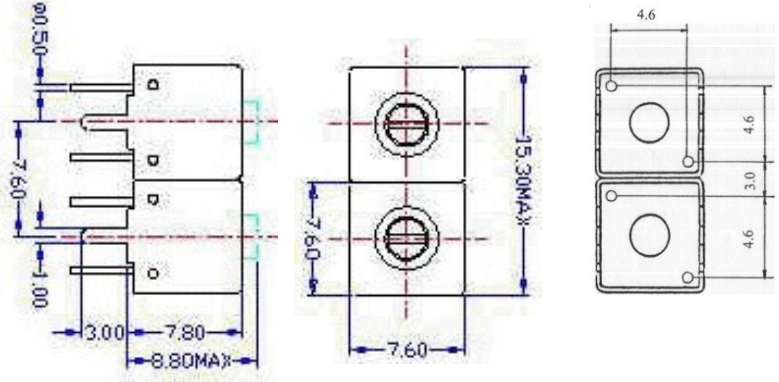


VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TDS2034F-300M
Approval No. /dated	20102089DC	Acceptable Specify Fo. Range	276~310MHz
Work Instruction No.	20102089DC	Date	2001.02.27

(1)Pin Position	(2)Size Diagram
 <p>(F) Type Bottom View</p>	

(3)Electric Character

Item	Specify	Performance	
Center Freq.(Fo) +/- 0.5 %	300 MHz	300 MHz	
Tunable Range	300±4 MHz	300±4 MHz	
Insertion Loss	Typ. 4.0 dB	3.1 dB	
-3 dB Bandwidth	Typ. 19 MHz	22 MHz	
Sensitivity (Attenuation)	Fo - 50 MHz	Typ. 24 dBc	27 dBc
	Fo + 50 MHz	Typ. 17 dBc	20 dBc
	Fo - ()MHz	Typ. dBc	dBc
	Fo +()MHz	Typ. dBc	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

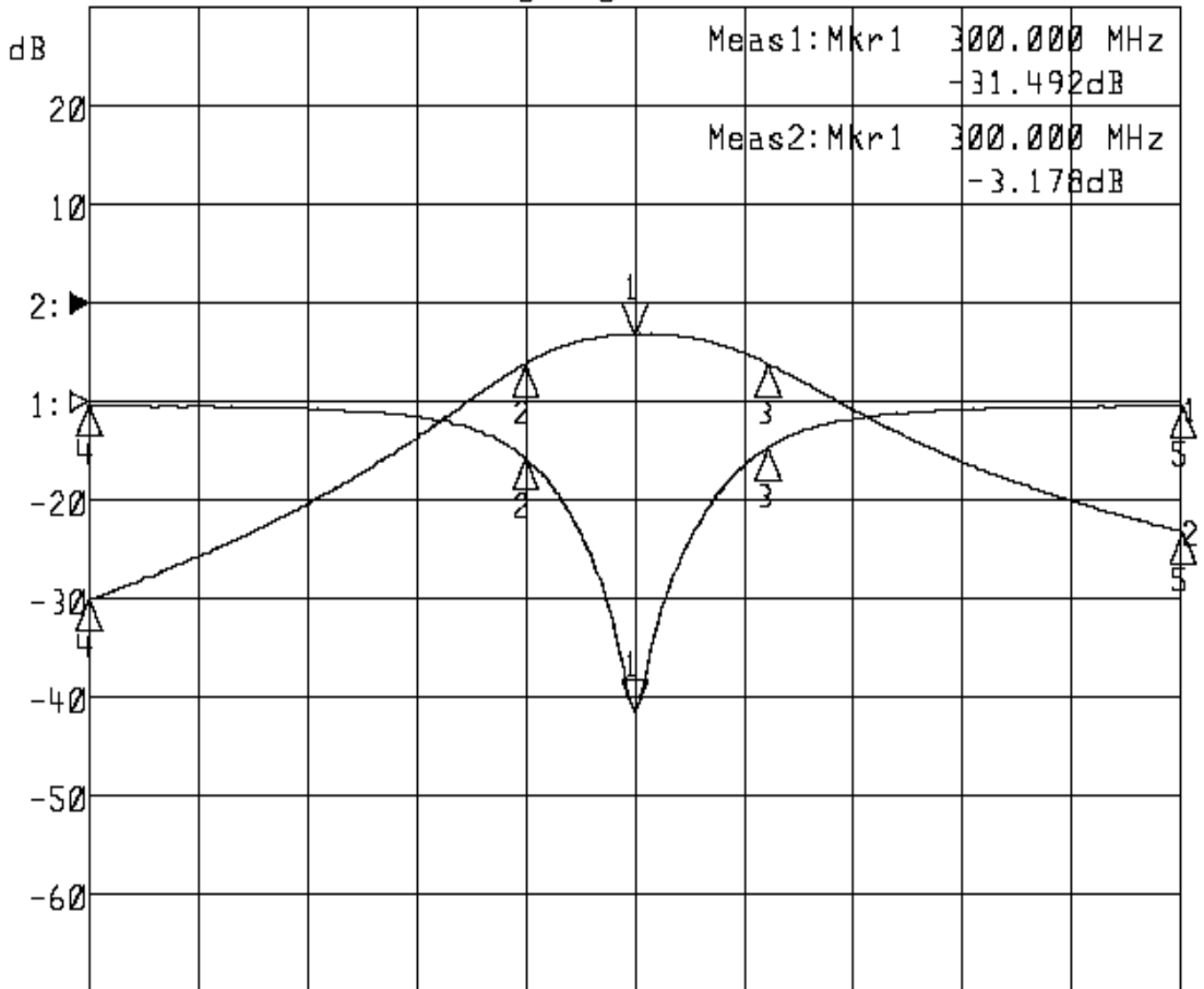
		> 1Watt	
Approval	Supervisor	Designer	Aperture size
C.Y.Chang	C.S.Chang	C.S.Chang	7S2S(4*4.5) 7S00LB5.5

TEMWELL CORPORATION

Performance-TDS2034F-300M

20102089DC

▶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 300.000 MHz

Span 100.000 MHz

1: Mkr (MHz)	dB	2: Mkr (MHz)	dB
1> 300.0000	-31.492	1> 300.0000	-3.178
2: 289.9333	-5.669	2: 289.9333	-6.175
3: 312.2000	-4.682	3: 312.2000	-6.155
4: 250.0000	-0.362	4: 250.0000	-30.046
5: 350.0000	-0.530	5: 350.0000	-23.146