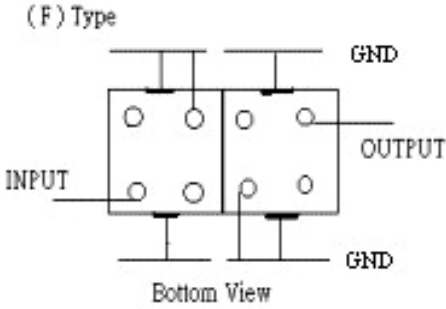
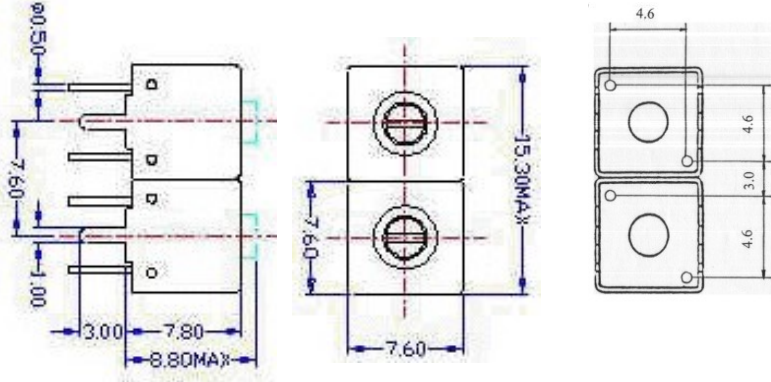


VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TDS2033F-300M
Approval No. /dated	20102088DC	Acceptable Specify Fo. Range	276~310MHz
Work Instruction No.	20102088DC	Date	2001.03.01

<p>(1) Pin Position</p>  <p style="text-align: center;">Bottom View</p>	<p>(2) Size Diagram</p> 
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(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. 5.0 dB	4.1 dB
-3 dB Bandwidth	Typ. 12 MHz	15 MHz
Sensitivity (Attenuation)	Fo - 50 MHz	Typ. 27 dBc
	Fo + 50 MHz	Typ. 22 dBc
	Fo - ()MHz	Typ. dBc
	Fo +()MHz	Typ. dBc
Return Loss	Min. 12 dB	17 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

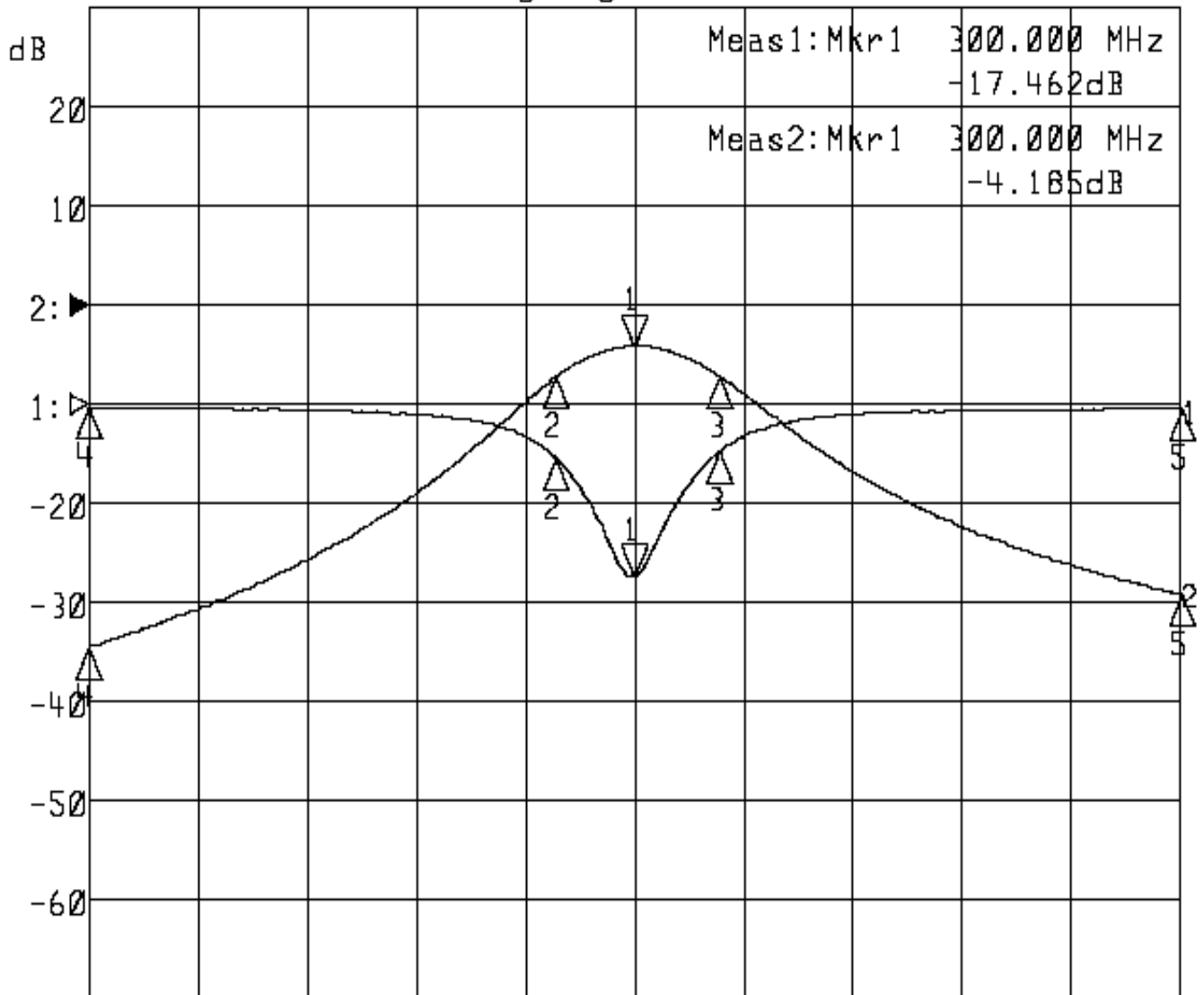
			> 1Watt
Approval	Supervisor	Designer	Aperture size
C.Y.Chang	C.S.Chang	C.S.Chang	7S2S(4*3.5) 7S00LB5.5

TEMWELL CORPORATION

Performance-TDS2033F-300M

20102088DC

▶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	-17.462	1> 300.0000	-4.185
2: 292.8667	-5.478	2: 292.8667	-7.186
3: 307.8333	-4.772	3: 307.8333	-7.184
4: 250.0000	-0.316	4: 250.0000	-34.415
5: 350.0000	-0.501	5: 350.0000	-29.181