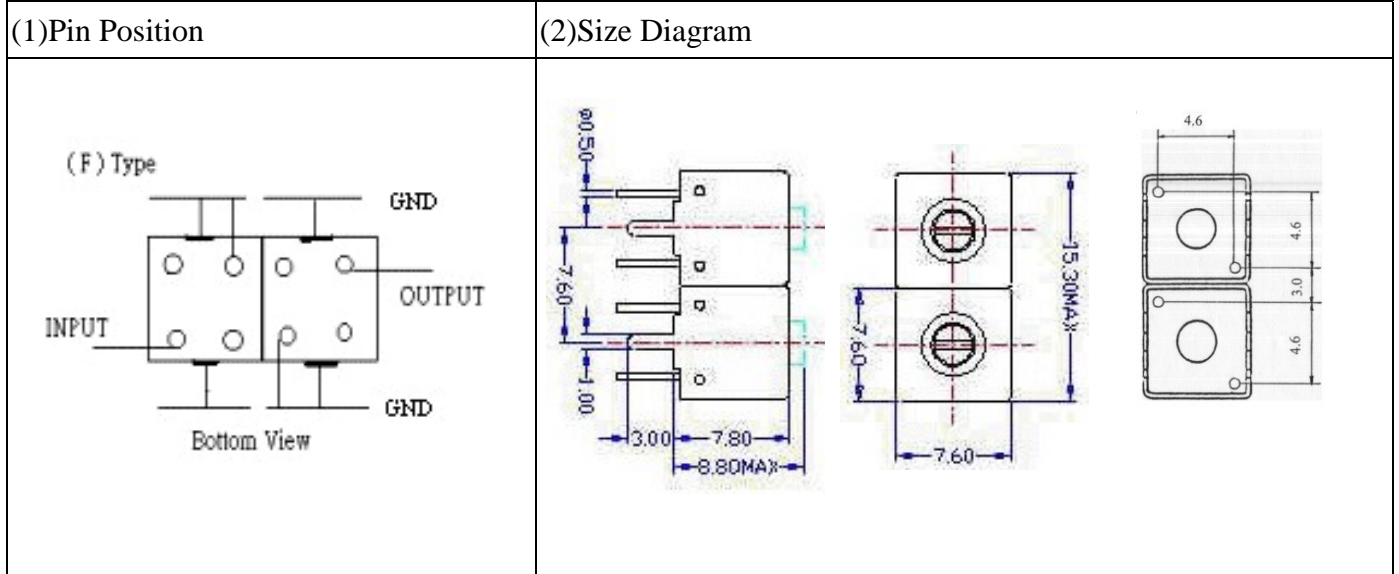


VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TDS2032F-300M
Approval No. /dated	20102087DC	Acceptable Specify Fo. Range	276~310MHz
Work Instruction No.	20102087DC	Date	2001.02.27



(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. 6.5 dB	5.5 dB	
-3 dB Bandwidth	Typ. 8 MHz	11 MHz	
Sensitivity (Attenuation)	Fo - 50 MHz	Typ. 40 dBc	43 dBc
	Fo + 50 MHz	Typ. 28 dBc	31 dBc
	Fo - ()MHz	Typ. dBc	dBc
	Fo +()MHz	Typ. dBc	dBc
Return Loss	Min. 12 dB	12 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

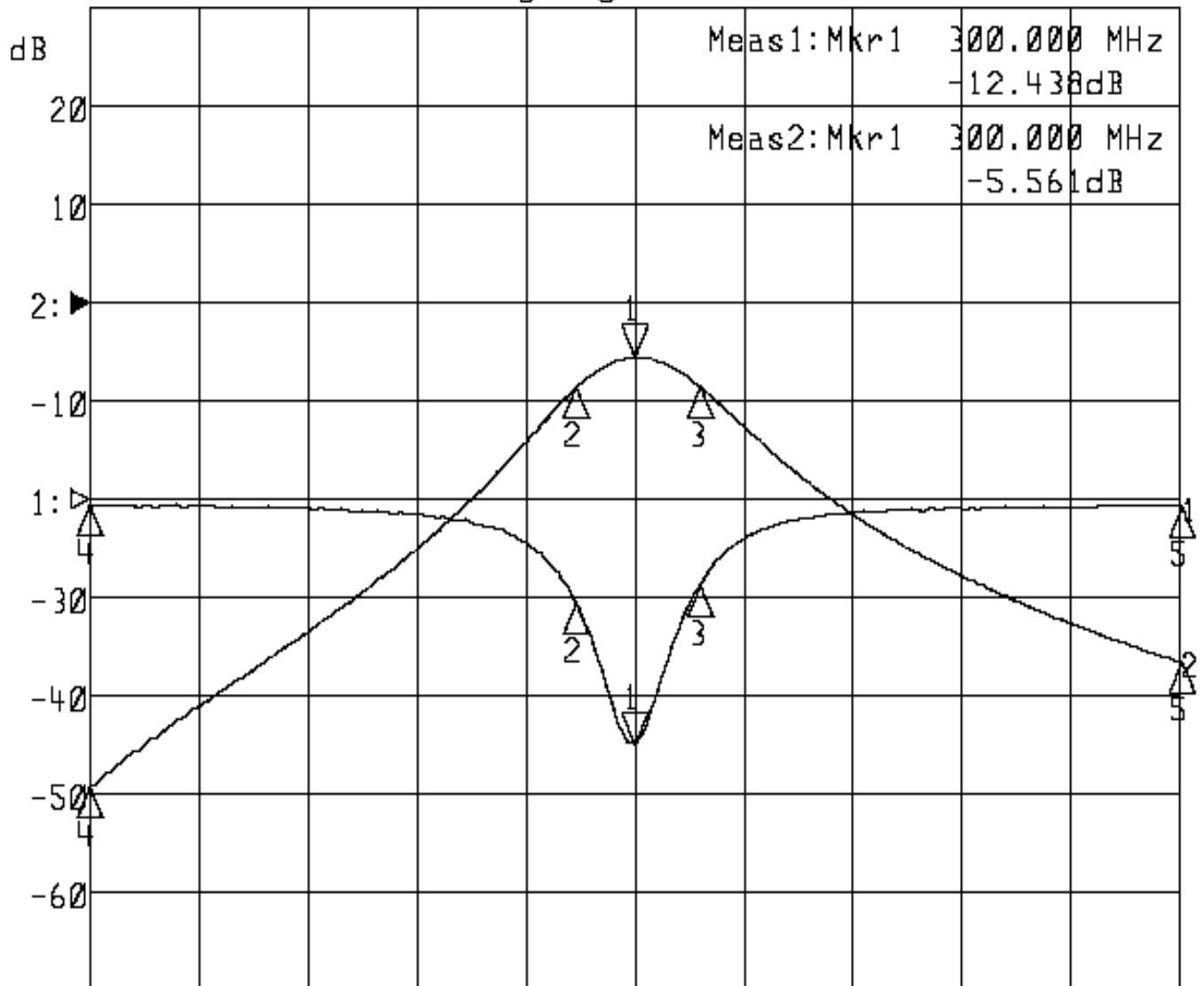
Approval	Supervisor	Designer	Aperture size
C.Y.Chang	C.S.Chang	C.S.Chang	7S2S(4*3.5) 7S00LB5.5

TEMWELL CORPORATION

Performance-TDS2032F-300M

20102087DC

▶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 300.000 MHz

Span 100.000 MHz

1: Mkr (MHz)	dB	2: Mkr (MHz)	dB
1> 300.0000	-12.438	1> 300.0000	-5.561
2: 294.6667	-5.293	2: 294.6667	-8.610
3: 306.0000	-4.351	3: 306.0000	-8.554
4: 250.0000	-0.250	4: 250.0000	-49.276
5: 350.0000	-0.385	5: 350.0000	-36.593