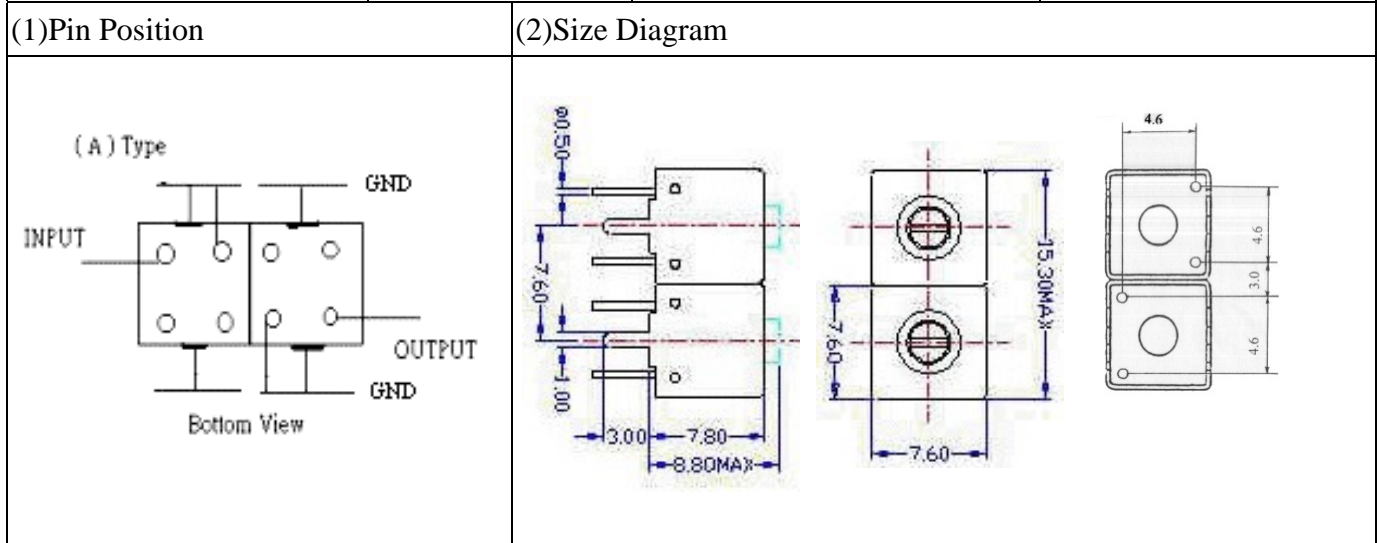


VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TDS2035A-300M
Approval No. /dated	20103065DC	Acceptable Specify Fo. Range	276~310MHz
Work Instruction No.	20103065DC	Date	2001.03.30



(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. 2.0 dB	1.3 dB
-3 dB Bandwidth	Typ. 38 MHz	39 MHz
Sensitivity (Attenuation)	Fo - 50 MHz	Typ. 10 dBc
	Fo + 50 MHz	Typ. 13 dBc
	Fo - (100)MHz	Typ. 21 dBc
	Fo +(100)MHz	Typ. 26 dBc
Return Loss	Min. 12 dB	30 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

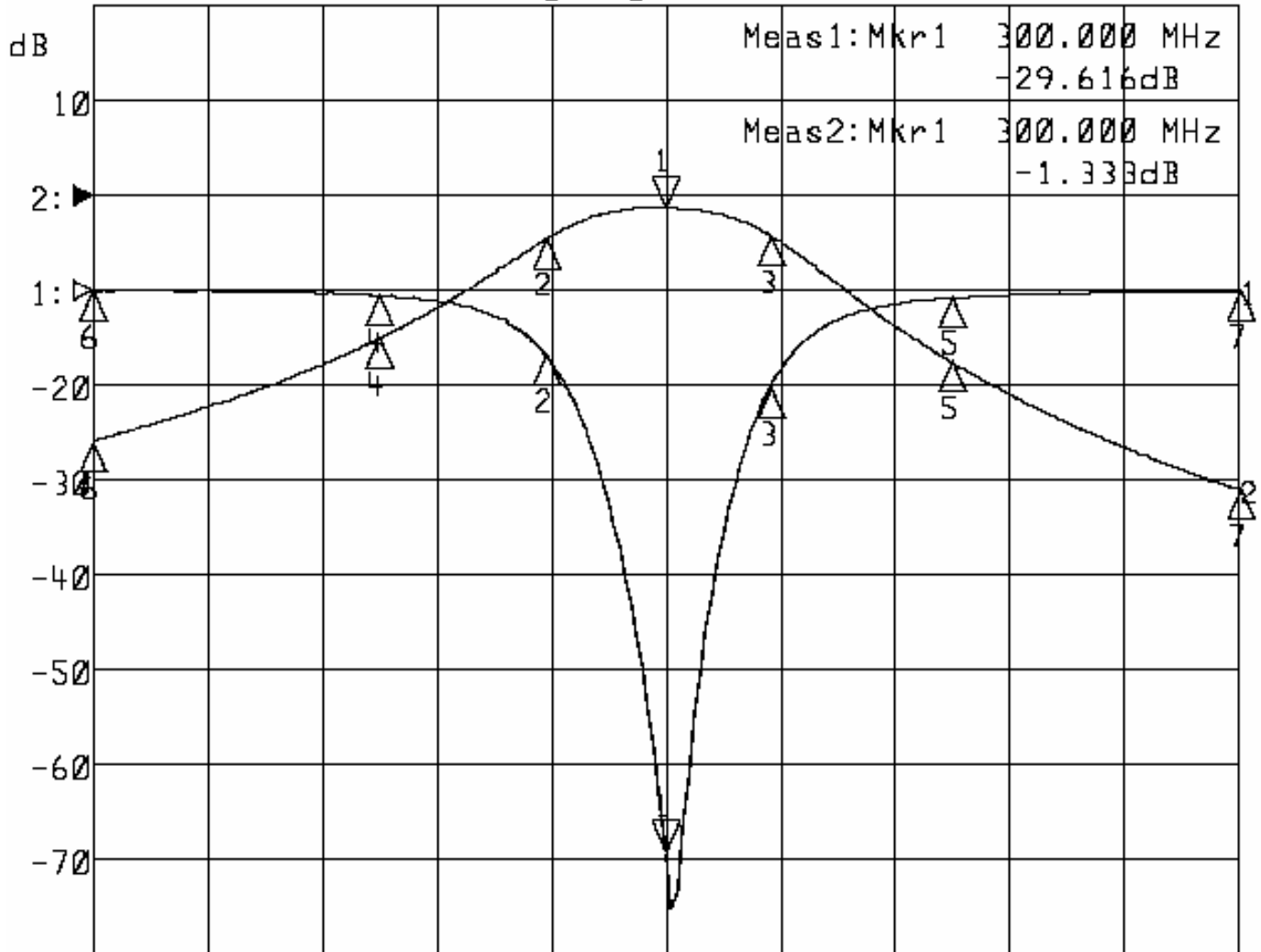
Approval	Supervisor	Designer	Aperture size
C.Y.Chang	C.S.Chang	C.S.Chang	7S2S(4*5.2) 7S024RB5.5

TEMWELL CORPORATION

Performance-TDS2035A-300M

20103065DC

▶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 200.000 MHz

1:Mkr (MHz)	dB	2:Mkr (MHz)	dB
1> 300.0000	-29.616	1> 300.0000	-1.333
2: 279.0667	-3.370	2: 279.0667	-4.554
3: 318.2667	-5.075	3: 318.2667	-4.191
4: 250.0000	-0.304	4: 250.0000	-15.104
5: 350.0000	-0.417	5: 350.0000	-17.614
6: 200.0000	-0.039	6: 200.0000	-25.879
7: 400.0000	-0.035	7: 400.0000	-31.006