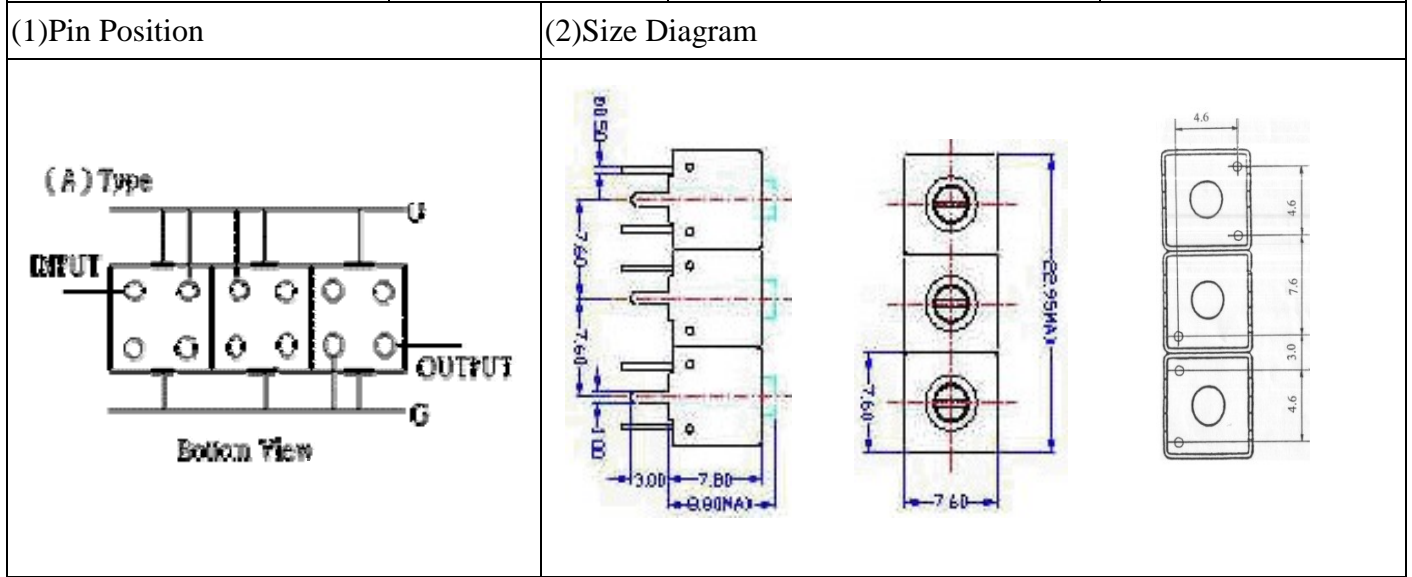


VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TTS3281A-1300M
Approval No. /dated	20104028DC	Acceptable Specify Fo. Range	1251~1300MHz
Work Instruction No.	20104028DC	Date	2001.4.16



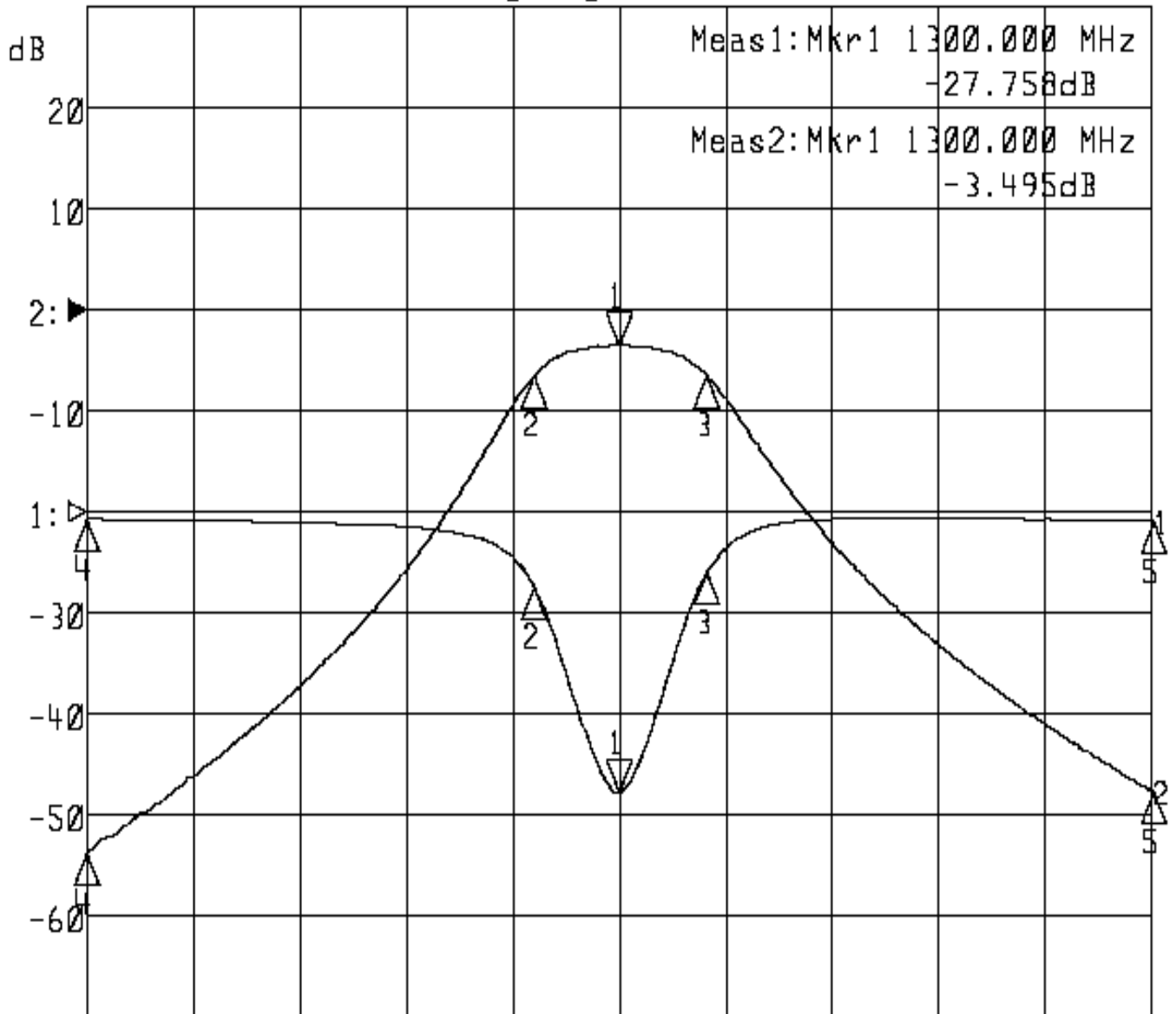
(3) Electric Character			
Item		Specify	Performance
Center Freq.(Fo) +/- 0.5 %		1300 MHz	1300 MHz
Tunable Range		1300 ±10 MHz	1300 ±10 MHz
Insertion Loss		Typ. 4.5 dB	3.4 dB
-3 dB Bandwidth		Typ. 26 MHz	32 MHz
Sensitivity (Attenuation)	Fo - 100 MHz	Typ. 47 dBc	50 dBc
	Fo + 100 MHz	Typ. 41 dBc	44 dBc
	Fo - ()MHz	Typ. dBc	dBc
	Fo +()MHz	Typ. dBc	dBc
Return Loss		Min. 12 dB	27.7 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	7S3S (4*5.2) 7S046LB4

TEMWELL CORPORATION

Performance-TTS3281A-1300M

20104028DC

▷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 1 300.000 MHz

Span 200.000 MHz

1:Mkr (MHz)	dB	2:Mkr (MHz)	dB
1> 1300.0000	-27.758	1> 1300.0000	-3.495
2: 1284.1333	-7.500	2: 1284.1333	-6.509
3: 1316.5333	-6.088	3: 1316.5333	-6.502
4: 1200.0000	-0.784	4: 1200.0000	-53.797
5: 1400.0000	-0.881	5: 1400.0000	-47.746