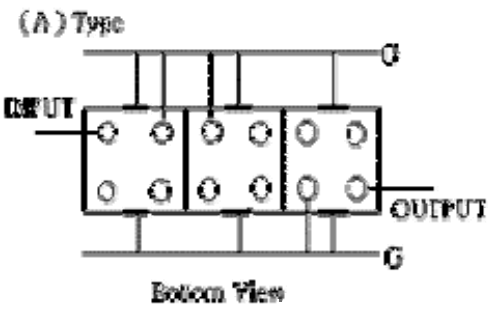
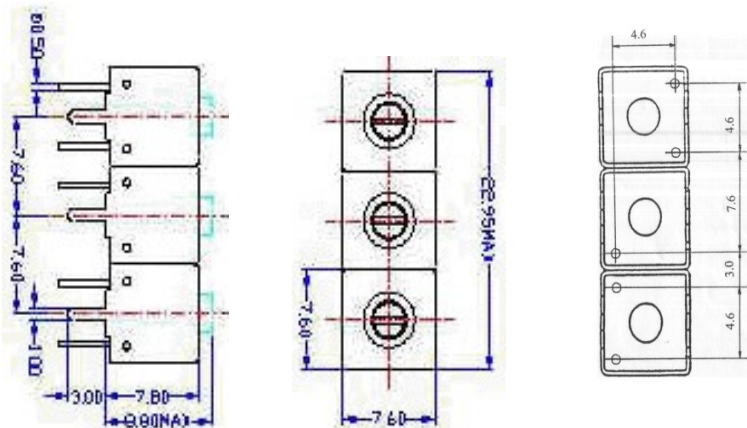


VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TTS3231A-1010M
Approval No. /dated	20106030DC	Acceptable Specify Fo. Range	1001~1100MHz
Work Instruction No.	20106030DC	Date	Jun.15,2001

<p>(1)Pin Position</p>  <p>(A) Type Bottom View</p>	<p>(2)Size Diagram</p> 
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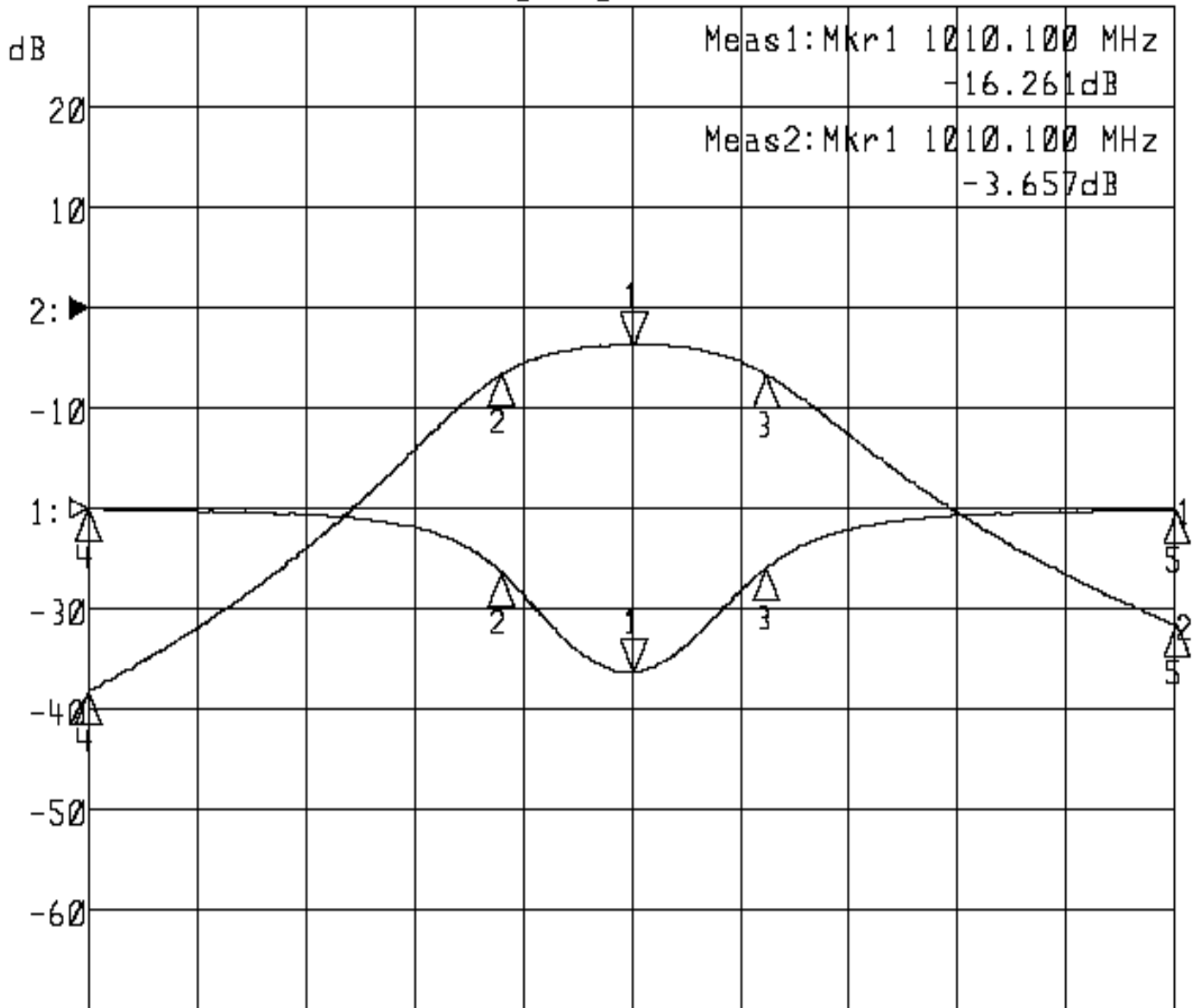
(3)Electric Character			
Item		Specify	Performance
Center Freq.(Fo) +/- 0.5 %		1010 MHz	1010 MHz
Tunable Range		1010 ±10 MHz	1010 ±10 MHz
Insertion Loss		Typ. 4.5 dB	3.6 dB
-3 dB Bandwidth		Typ. 19 MHz	24 MHz
Sensitivity (Attenuation)	Fo - 50 MHz	Typ. 31 dBc	34 dBc
	Fo + 50 MHz	Typ. 25 dBc	28 dBc
	Fo - ()MHz	Typ. dBc	dBc
	Fo +()MHz	Typ. dBc	dBc
Return Loss		Min. 12 dB	16.2 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- TTS3231A-1010M

20106030DC

▶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 1 010.000 MHz

Span 100.000 MHz

1: Mkr (MHz)	dB	2: Mkr (MHz)	dB
1> 1010.1000	-16.261	1> 1010.1000	-3.657
2: 998.1000	-6.386	2: 998.1000	-6.619
3: 1022.4333	-5.939	3: 1022.4333	-6.656
4: 960.0000	-0.038	4: 960.0000	-38.155
5: 1060.0000	-0.162	5: 1060.0000	-31.622