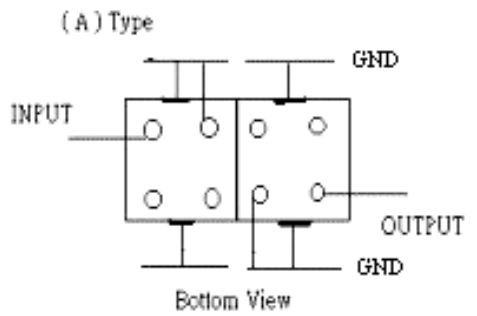
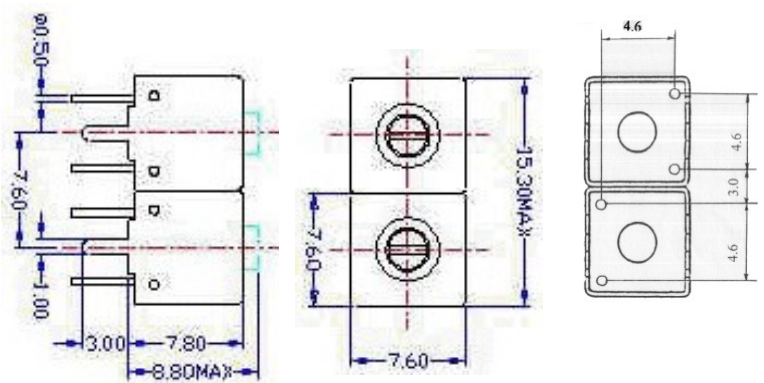


VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TDS2242A-1075M
Approval No. /dated	20201033DC	Acceptable Specify Fo. Range	1001~1100MHz
Work Instruction No.	20201033DC	Date	2002.01.21

<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 %	1075 MHz	1075 MHz
Tunable Range	1075±5 MHz	1075±5 MHz
Insertion Loss	Typ. 2.5 dB	1.7 dB
-3 dB Bandwidth	Typ. 56 MHz	61 MHz
Sensitivity (Attenuation)	Fo - 100 MHz	Typ. 19 dBc
	Fo + 100 MHz	Typ. 15 dBc
	Fo - ()MHz	Typ. dBc
	Fo +()MHz	Typ. dBc
Return Loss	Min. 12 dB	22 dB
Ripple	< 1 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

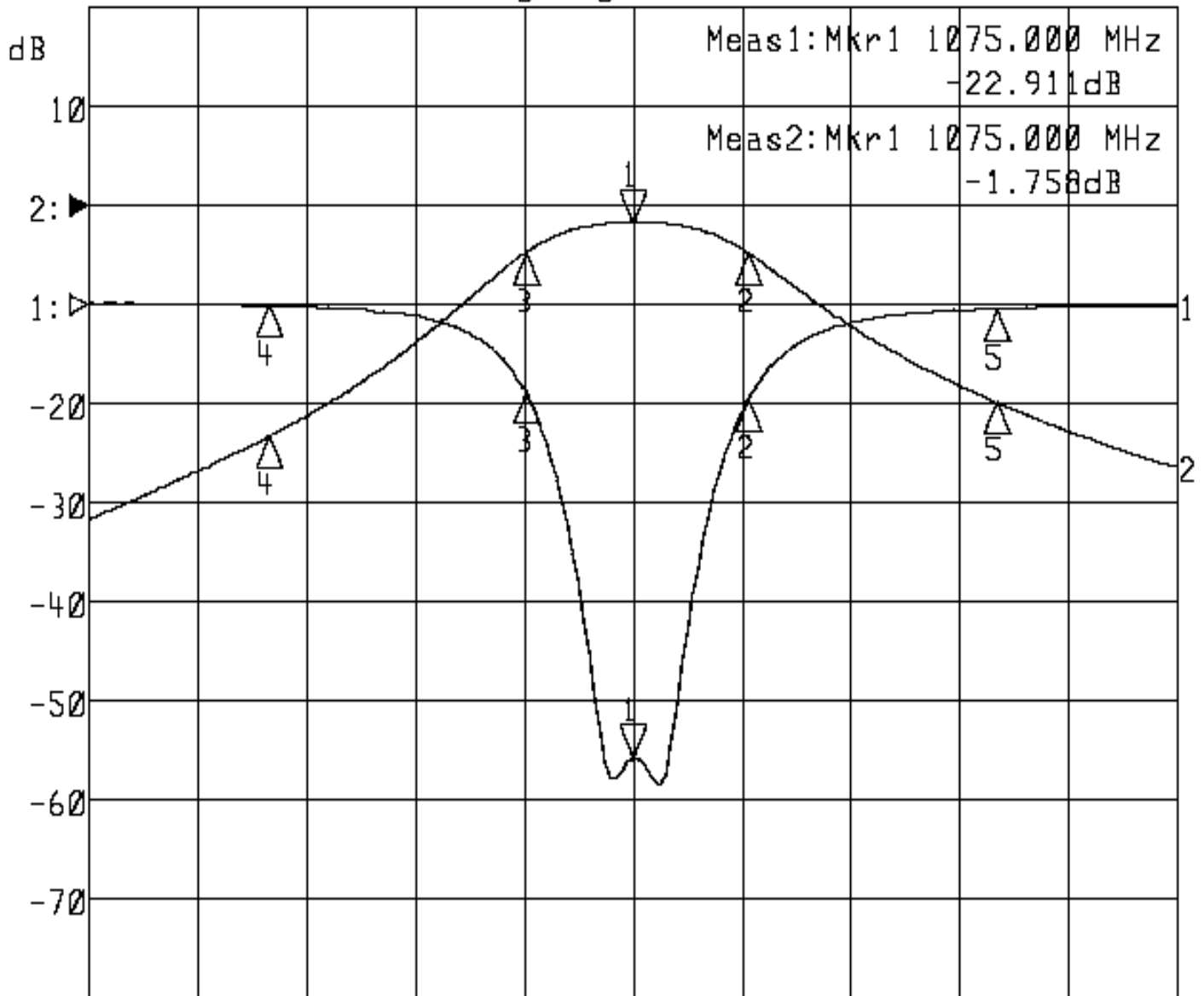
			> 1Watt
Approval	Supervisor	Designer	Aperture size
C.Y.Chang	C.S.Chang	C.S.Chang	7S2S(4*5.2) 7S046LB6

TEMWELL CORPORATION

Performance-TDS2242A-1075M

20201033DC

▷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 1 075.000 MHz

Span 300.000 MHz

1: Mkr (MHz)	dB	2: Mkr (MHz)	dB
1> 1075.0000	-22.911	1> 1075.0000	-1.758
2: 1106.7000	-4.761	2: 1106.7000	-4.740
3: 1045.4000	-4.431	3: 1045.4000	-4.758
4: 975.0000	-0.057	4: 975.0000	-23.235
5: 1175.0000	-0.220	5: 1175.0000	-19.825