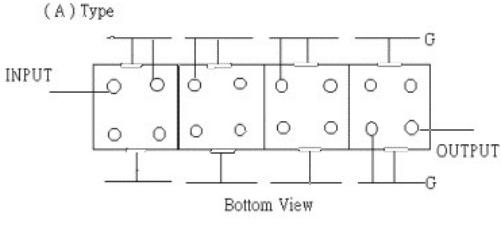
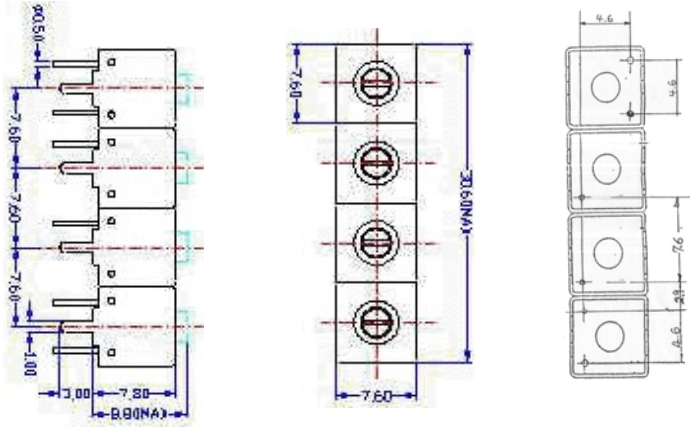


VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TFS4246A-1275M
Approval No. /dated	20201053DC	Acceptable Specify Fo. Range	1251~1300MHz
Work Instruction No.	20201053DC	Date	2002/1/24

(1)Pin Position	(2)Size Diagram
 <p>(A) Type INPUT OUTPUT Bottom View</p>	

(3)Electric Character

Item	Specify	Performance	
Center Freq.(Fo) +/- 0.5 %	1275 MHz	1275 MHz	
Insertion Loss	Typ. 5.5 dB	4.6 dB	
-3 dB Bandwidth	Typ. 75 MHz	88 MHz	
Sensitivity (Attenuation)	Fo - 100 MHz	Typ. 34 dBc	37 dBc
	Fo + 100 MHz	Typ. 23 dBc	26 dBc
	Fo - ()MHz	Typ. dBc	dBc
	Fo +()MHz	Typ. dBc	dBc
Return Loss	Min. 12 dB	38 dB	
Ripple	< 1 dB	dB	
Impedance	In / Out : 50 Ω	In / Out : 50 Ω	

(4)Torque for Tuning Screw	> 100gf · cm
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(5)Temperature Condition:

Operating Temperature	0°C ~ +60°C
Storage Temperature	-20°C ~ +70°C

(6)Input Power	> 1Watt
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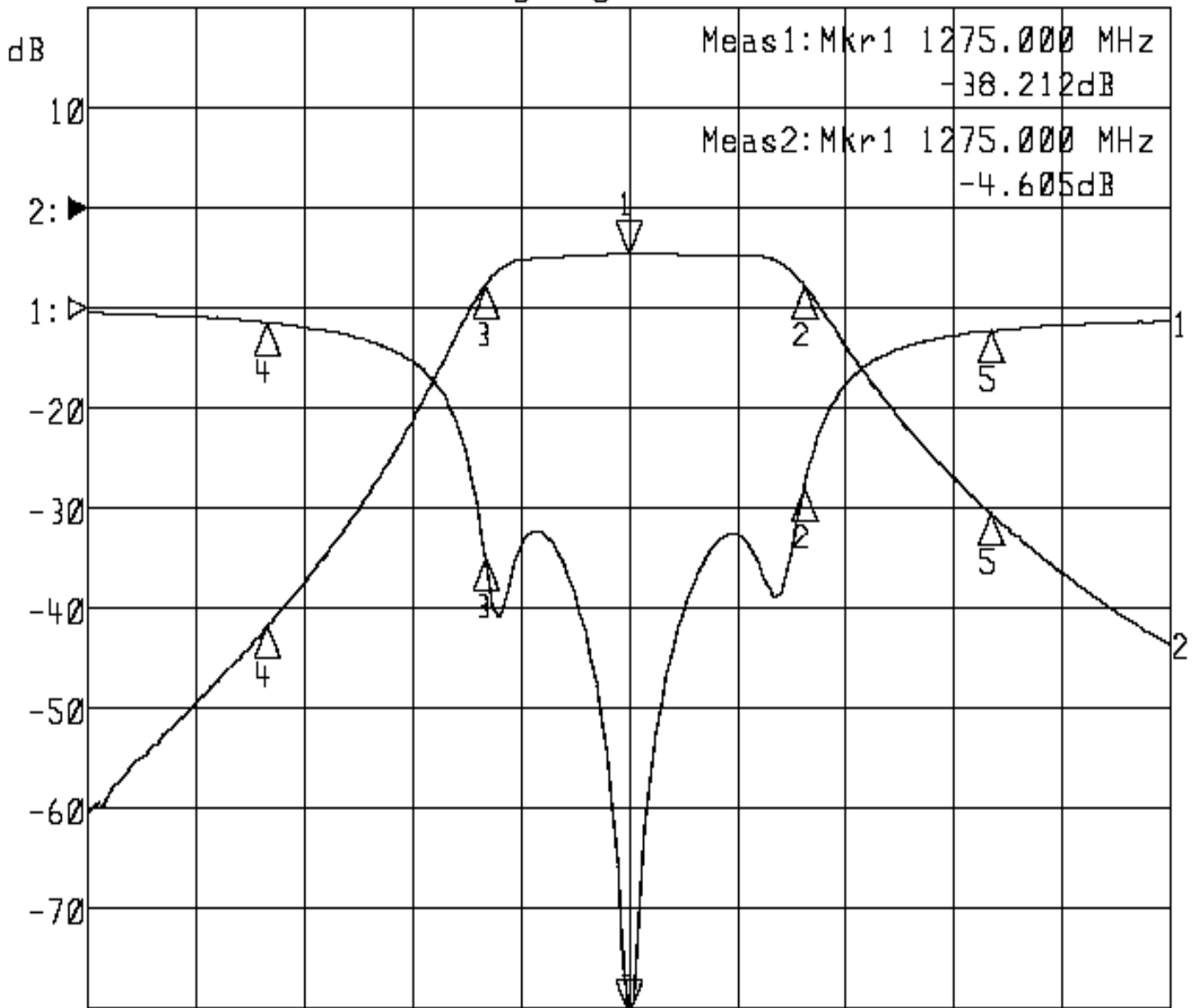
Approval	Supervisor	Designer	Aperture size
C.Y.Chang	C.S.Chang	C.S.Chang	7S4S(4*5.2) 7S046LB6

TEMWELL CORPORATION

Performance-TFS4246A-1275M

20201053DC

▶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 1 275.000 MHz

Span 300.000 MHz

1:Mkr (MHz)	dB	2:Mkr (MHz)	dB
1> 1275.0000	-38.212	1> 1275.0000	-4.605
2: 1323.4000	-9.020	2: 1323.4000	-7.626
3: 1235.3000	-12.470	3: 1235.3000	-7.638
4: 1175.0000	-0.725	4: 1175.0000	-41.729
5: 1375.0000	-1.149	5: 1375.0000	-30.435