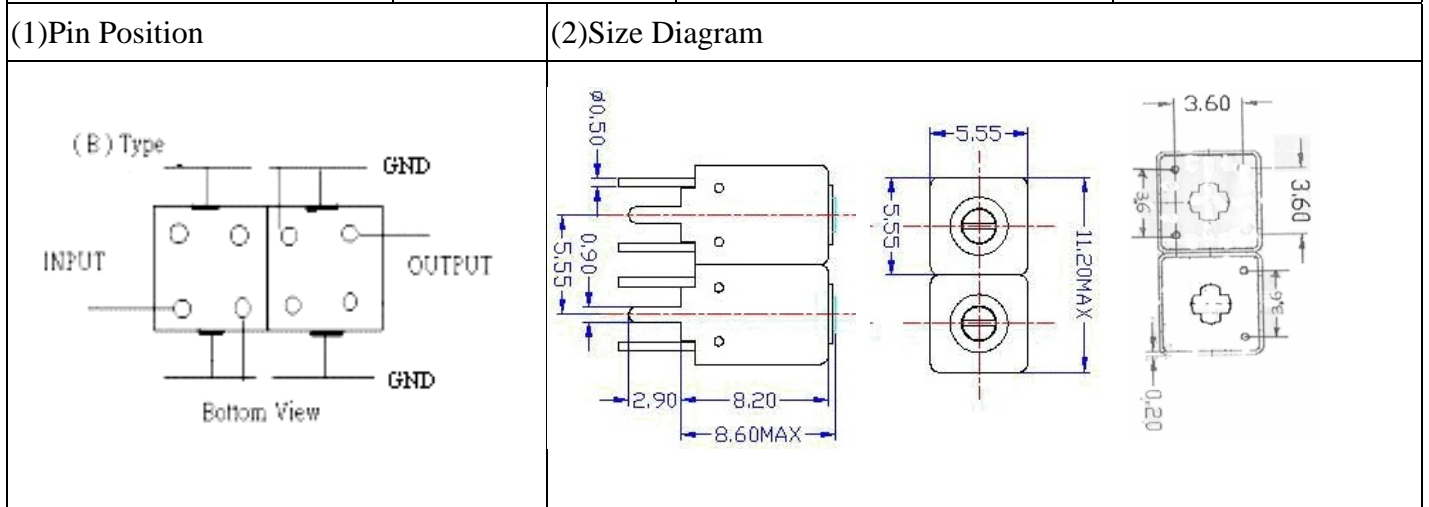


VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TDW2575B-1275M
Approval No. /dated	20111100DC	Acceptable Specify Fo. Range	1251~1300MHz
Work Instruction No.	20111100DC	Date	Dec.25.2001



(3) Electric Character

Item	Specify	Performance	
Center Freq.(Fo) +/- 0.5 %	1275 MHz	1275 MHz	
Tunable Range:	1275±10 MHz	1275±10 MHz	
Insertion Loss	Typ. 5.0 dB	3.66 dB	
-3 dB Bandwidth	Typ. 29 MHz	35.3 MHz	
Sensitivity (Attenuation)	Fo - 100 MHz	Typ. 27 dBc	30 dBc
	Fo + 100 MHz	Typ. 23 dBc	26 dBc
	Fo - ()MHz	Typ. dBc	dBc
	Fo + ()MHz	Typ. dBc	dBc
Return Loss	Min. 12 dB	19.9 dB	
Ripple	< 1 dB	dB	
Impedance	In / Out : 50 Ω	In / Out : 50 Ω	

(4) Torque for Tuning Screw > 60gf • cm

(5) Temperature Condition:

Operating Temperature	0°C ~ +60°C
Storage Temperature	-20°C ~ +70°C
(6) Input Power	> 0.5Watt

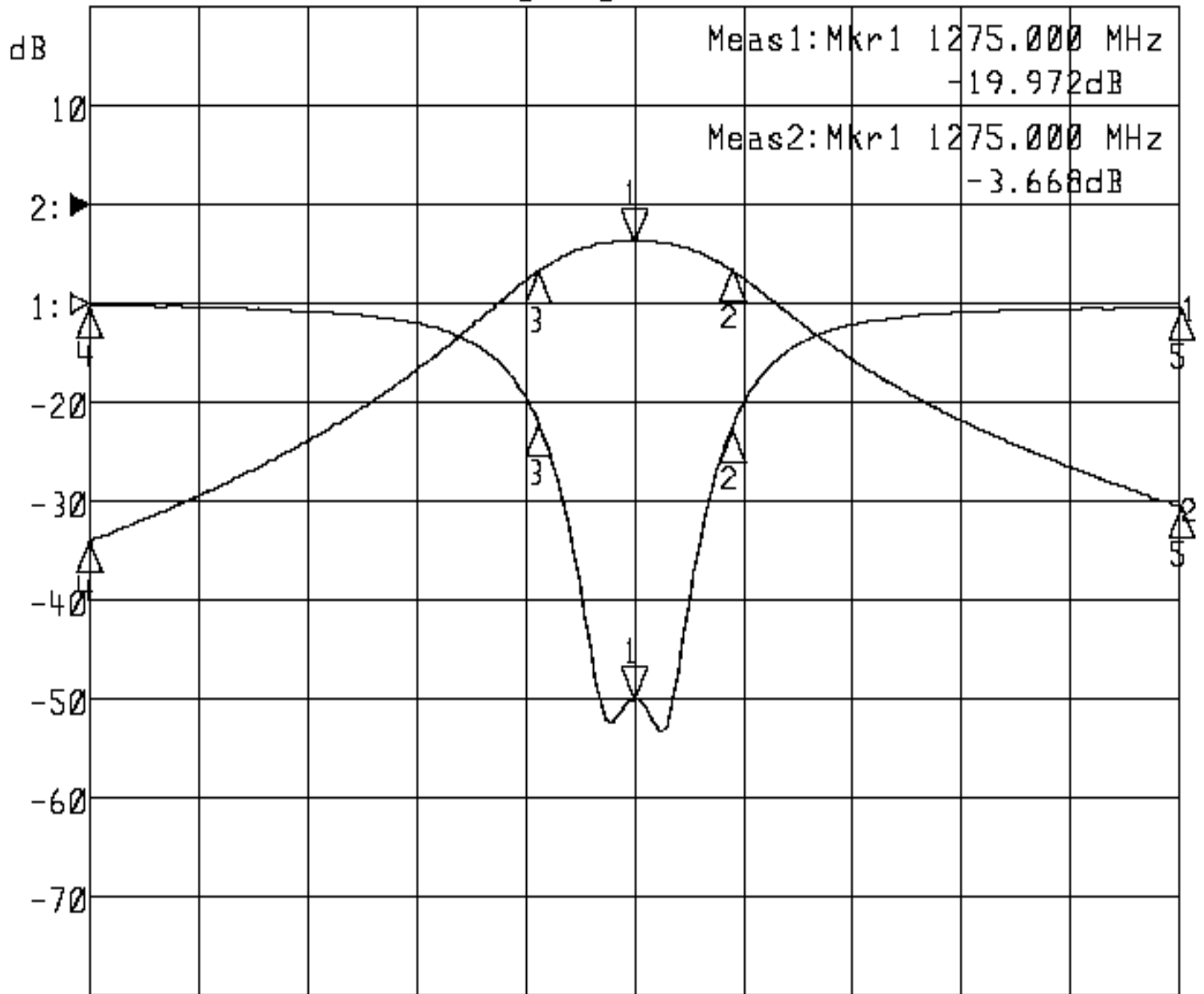
Approval	Supervisor	Designer	Aperture size
C.Y.Chang	C.S.Chang	Enlan	5W2S(3.8*3.7) 5HW024RB3

TEMWELL CORPORATION

Performance-TDW2575B-1275M

2011100DC

▶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 200.000 MHz

1:Mkr (MHz)	dB	2:Mkr (MHz)	dB
1> 1275.0000	-19.972	1> 1275.0000	-3.668
2: 1292.8667	-6.318	2: 1292.8667	-6.613
3: 1257.5667	-6.102	3: 1257.5667	-6.649
4: 1175.0000	-0.072	4: 1175.0000	-34.053
5: 1375.0000	-0.238	5: 1375.0000	-30.524