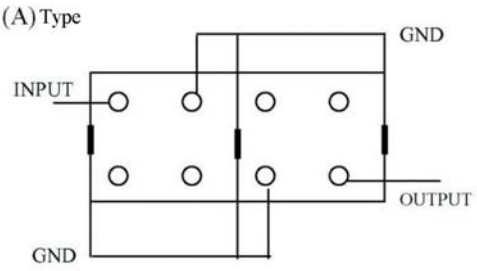
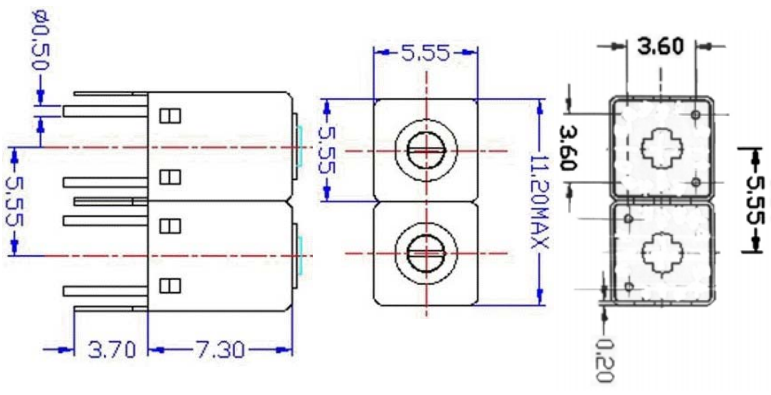


VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TDR2642A-520M
Approval No. /dated	20305057DC	Acceptable Specify Fo. Range	500~550MHz
Work Instruction No.	20305057DC	Date	Jun.03.2003

<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 %	520 MHz	520 MHz	
Tunable Range:	520±10 MHz	520±10 MHz	
Insertion Loss	Typ. 3.0 dB	2.3 dB	
-3 dB Bandwidth	Typ. 17 MHz	22.6 MHz	
Sensitivity (Attenuation)	Fo - 100 MHz	Typ. 29 dBc	32 dBc
	Fo + 100 MHz	Typ. 39 dBc	42 dBc
	Fo - ()MHz	Typ. dBc	dBc
	Fo +()MHz	Typ. dBc	dBc
Return Loss	Min. 12 dB	21 dB	
Ripple	< 1 dB	dB	
Impedance	In / Out : 50 Ω	In / Out : 50 Ω	

(4)Torque for Tuning Screw	> 60gf · cm
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(5)Temperature Condition:

Operating Temperature	-30°C ~ +70°C
Storage Temperature	-30°C ~ +80°C

(6)Input Power	> 0.5Watt
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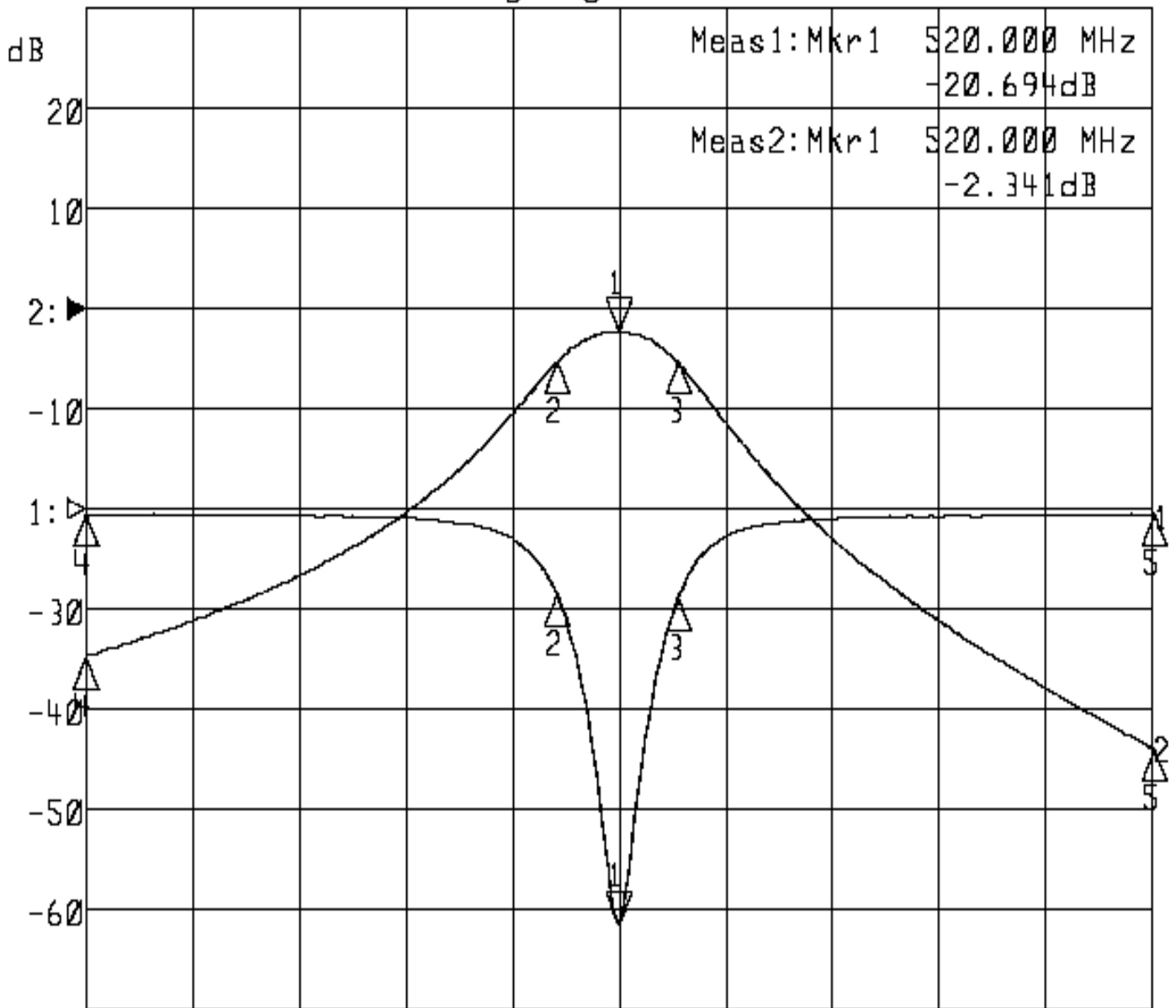
Approval	Supervisor	Designer	Aperture size
C.Y.Chang	C.S.Chang	J.F.Lin	5R2S(3.8*4.2)(4.1)

TEMWELL CORPORATION

Performance-TDR2642A-520M

20305057DC

▷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 520.000 MHz

Span 200.000 MHz

1:Mkr (MHz)	dB	2:Mkr (MHz)	dB
1> 520.0000	-20.694	1> 520.0000	-2.341
2: 508.4000	-4.289	2: 508.4000	-5.349
3: 531.0000	-4.518	3: 531.0000	-5.340
4: 420.0667	-0.294	4: 420.0667	-34.696
5: 620.0000	-0.303	5: 620.0000	-43.971