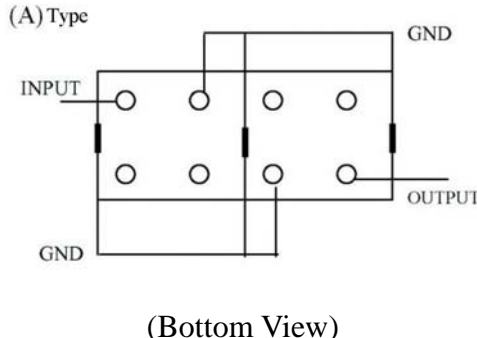
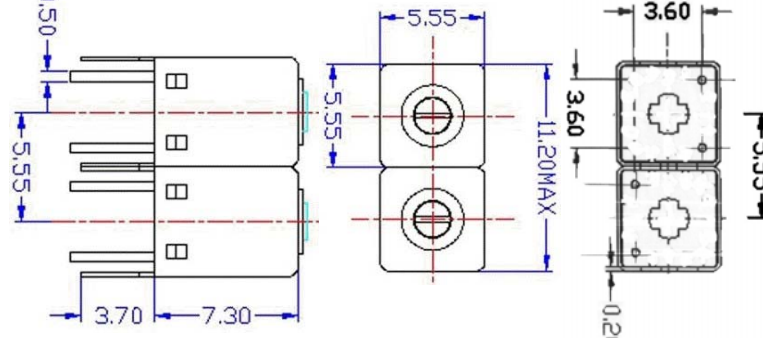


# VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TDR2641A-500M
Approval No. /dated	20305056DC	Acceptable Specify Fo. Range	450~500MHz
Work Instruction No.	20305056DC	Date	Jun.02.2003

<p>(1)Pin Position</p> 	<p>(2)Size Diagram</p> 
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(3)Electric Character			
Item	Specify	Performance	
Center Freq.(Fo ) +/- 0.5 %	500 MHz	500 MHz	
Tunable Range:	500±10 MHz	500±10 MHz	
Insertion Loss	Typ. 3.0 dB	2.0 dB	
-3 dB Bandwidth	Typ. 20 MHz	24.7 MHz	
Sensitivity (Attenuation )	Fo - 50 MHz	Typ. 18 dBc	21 dBc
	Fo + 50 MHz	Typ. 21 dBc	24 dBc
	Fo - ( )MHz	Typ. dBc	dBc
	Fo +( )MHz	Typ. dBc	dBc
Return Loss	Min. 12 dB	33 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	-30°C ~ +70°C
Storage Temperature	-30°C ~ +80°C
(6)Input Power	> 0.5Watt

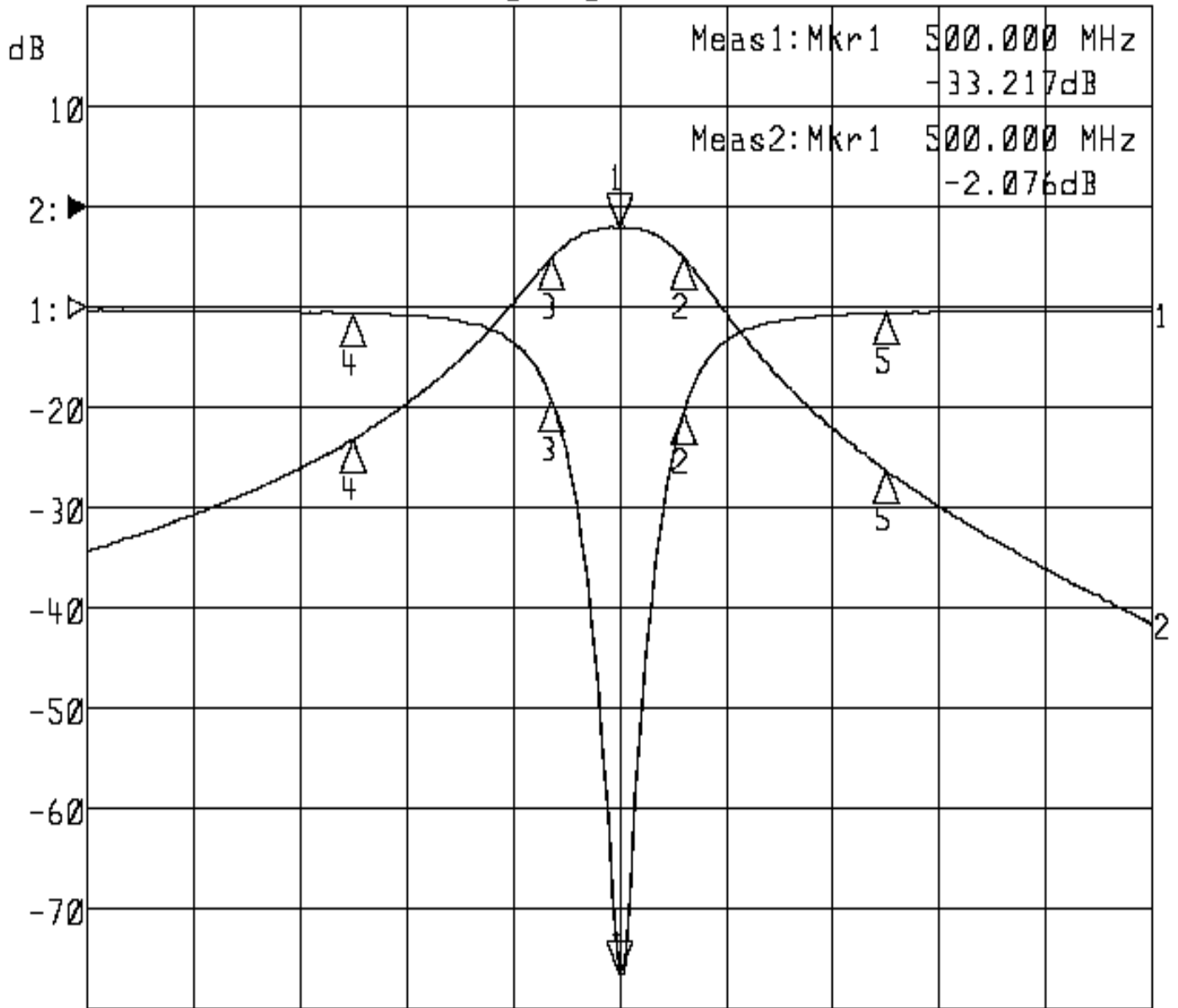
Approval	Supervisor	Designer	Aperture size
C.Y.Chang	C.S.Chang	C.S.Chang	5R2S(3.8*4.2)

TEMWELL CORPORATION

# Performance-TDR2641A-500M

## 20305056DC

▶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 500.000 MHz

Span 200.000 MHz

1: Mkr (MHz)	dB	2: Mkr (MHz)	dB
1> 500.0000	-33.217	1> 500.0000	-2.076
2: 512.0667	-5.270	2: 512.0667	-5.039
3: 487.3333	-4.622	3: 487.3333	-5.037
4: 450.0000	-0.338	4: 450.0000	-23.186
5: 550.0000	-0.303	5: 550.0000	-26.251