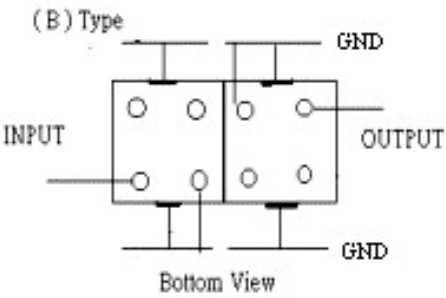
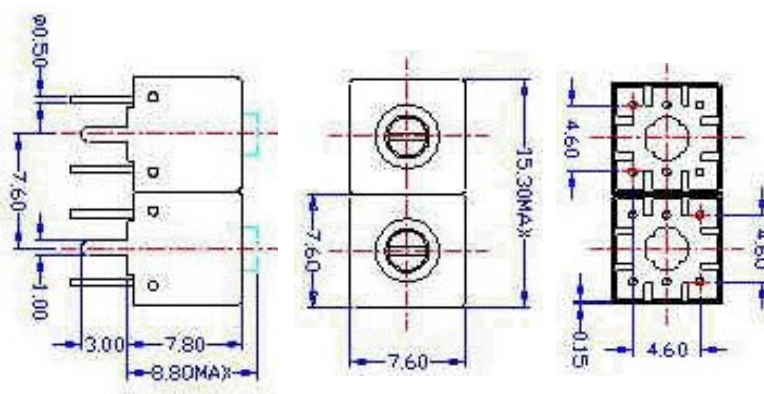


# VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TDS2071B-485M
Approval No. /dated	20103076DC	Acceptable Specify Fo. Range	456~515MHz
Work Instruction No.	20103076DC	Date	2001.04.07

<p>(1) Pin Position</p>  <p style="text-align: center;">Bottom View</p>	<p>(2) Size Diagram</p> 
--	--

(3) Electric Character

Item	Specify	Performance
Center Freq.(Fo) +/- 0.5 %	485 MHz	485 MHz
Tunable Range	485±3 MHz	485±3 MHz
Insertion Loss	Typ. 4.0 dB	3.0 dB
-3 dB Bandwidth	Typ. 30 MHz	35 MHz
Sensitivity (Attenuation)	Fo - 50 MHz	Typ. 13 dBc
	Fo + 50 MHz	Typ. 11 dBc
	Fo - ( )MHz	Typ. dBc
	Fo +( )MHz	Typ. 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 > 100gf • cm

(5) Temperature Condition:

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

(6) Input Power > 1Watt

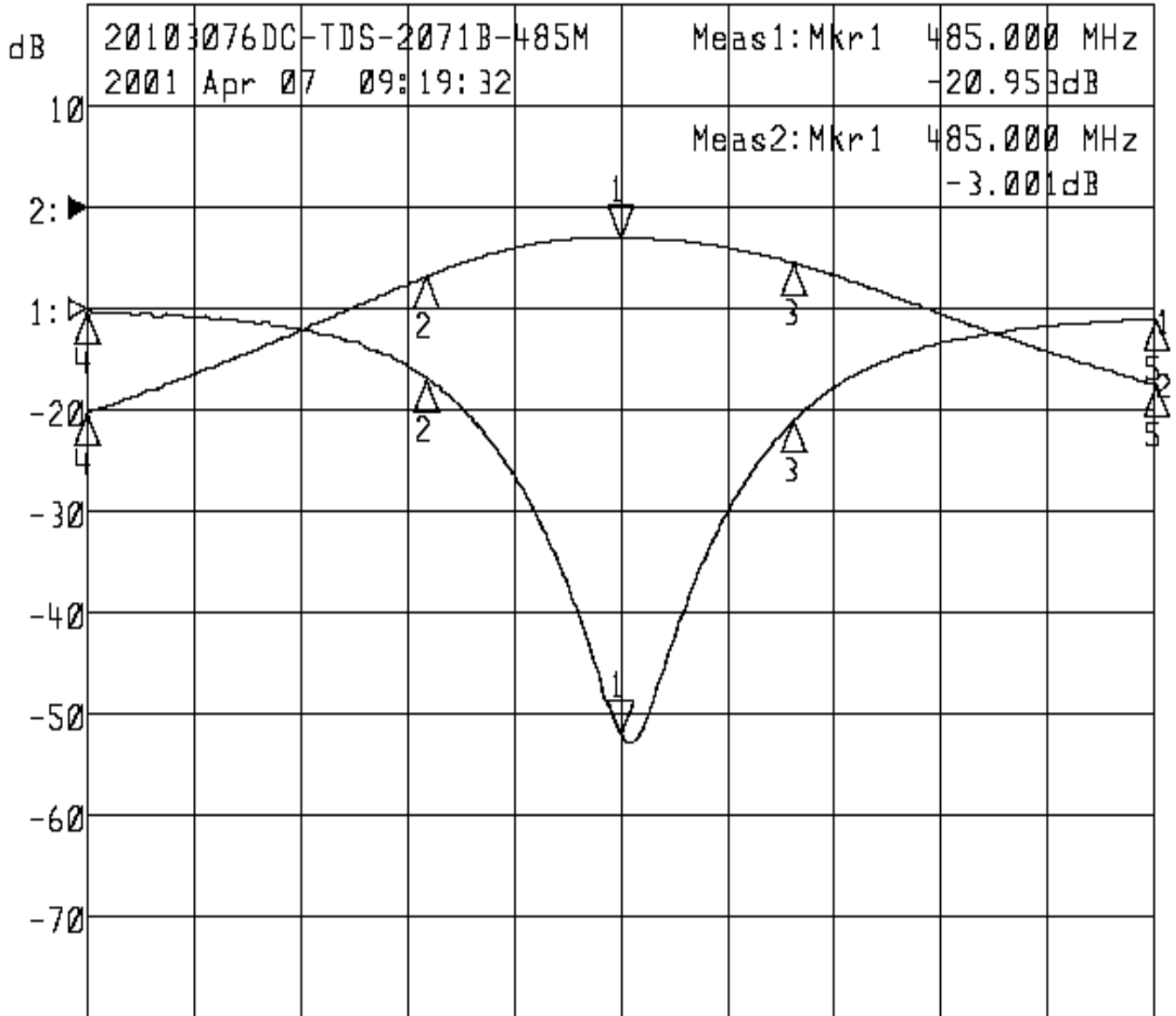
Approval	Supervisor	Designer	Aperture size
C.Y.Chang	C.S.Chang	C.S.Chang	7S2S(4*3.5) 7S024RB5.5

TEMWELL CORPORATION

# Performance- TDS2071B-485M

## 20103076DC

▶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 485.000 MHz

Span 100.000 MHz

1: Mkr (MHz)	dB	2: Mkr (MHz)	dB
1> 485.0000	-20.953	1> 485.0000	-3.001
2: 466.9333	-3.457	2: 466.9333	-6.779
3: 501.2333	-5.532	3: 501.2333	-5.462
4: 435.0000	-0.160	4: 435.0000	-20.254
5: 535.0000	-0.501	5: 535.0000	-17.430