

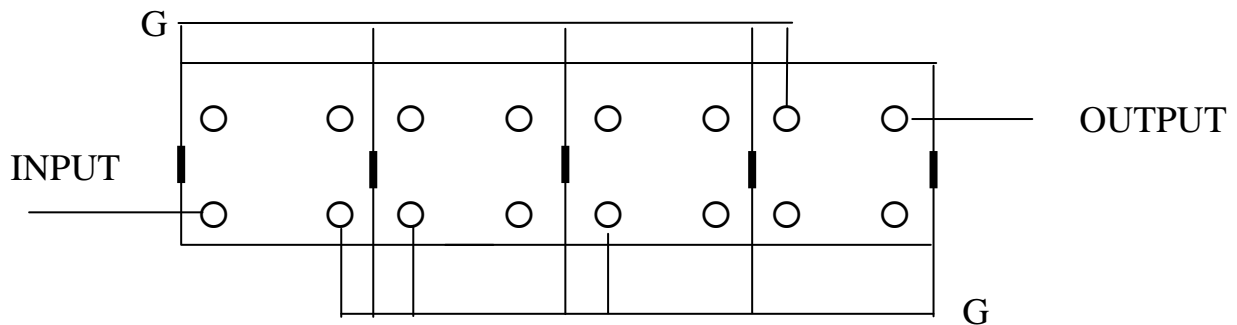
# VHF UHF Helical Filter Specification Sheet

Issued Dated :

Customer Name		Temwell's Part No.	TF69183B1-180M
Approval No. /dated	20305025DB	Acceptable Specify Fo Range	166~195MHz
Work Instruction No.	20305025DB	Date	May.22.2003
<input type="checkbox"/> Buyer Print name		<input type="checkbox"/> Temwell,s print name	
Case Name	7H4S	Case size :	
Terminator Type	B		

\* Pin Position (Pin Connection) diagram as following

( B ) Type



(Bottom View )

(3) Electric Charasteric

Item	Specify	Performance
Center Freq.(Fo ) +/- 0.5 %	180 MHz	180 MHz
Insertion Loss	Typ. 4.5 dB	3.66 dB
-3 dB Bandwidth	Typ. 19 MHz	20 MHz
Sensentivity (Attenuation )	Fo - 50 MHz	Typ. 68 dBc
	Fo + 50 MHz	Typ. 57 dBc
	Fo - ( )MHz	Typ. dBc
	Fo +( )MHz	Typ. dBc
Return Loss	Min. 12 dB	15.8 dB
Ripple	< 1 dB	dB
Torque for Tuning Screw	> 100gf • cm	
Impedance	In / Out : 50 Ω	In / Out : 50 Ω
Input Power	>1Watt	

4. Temperature Condition:

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

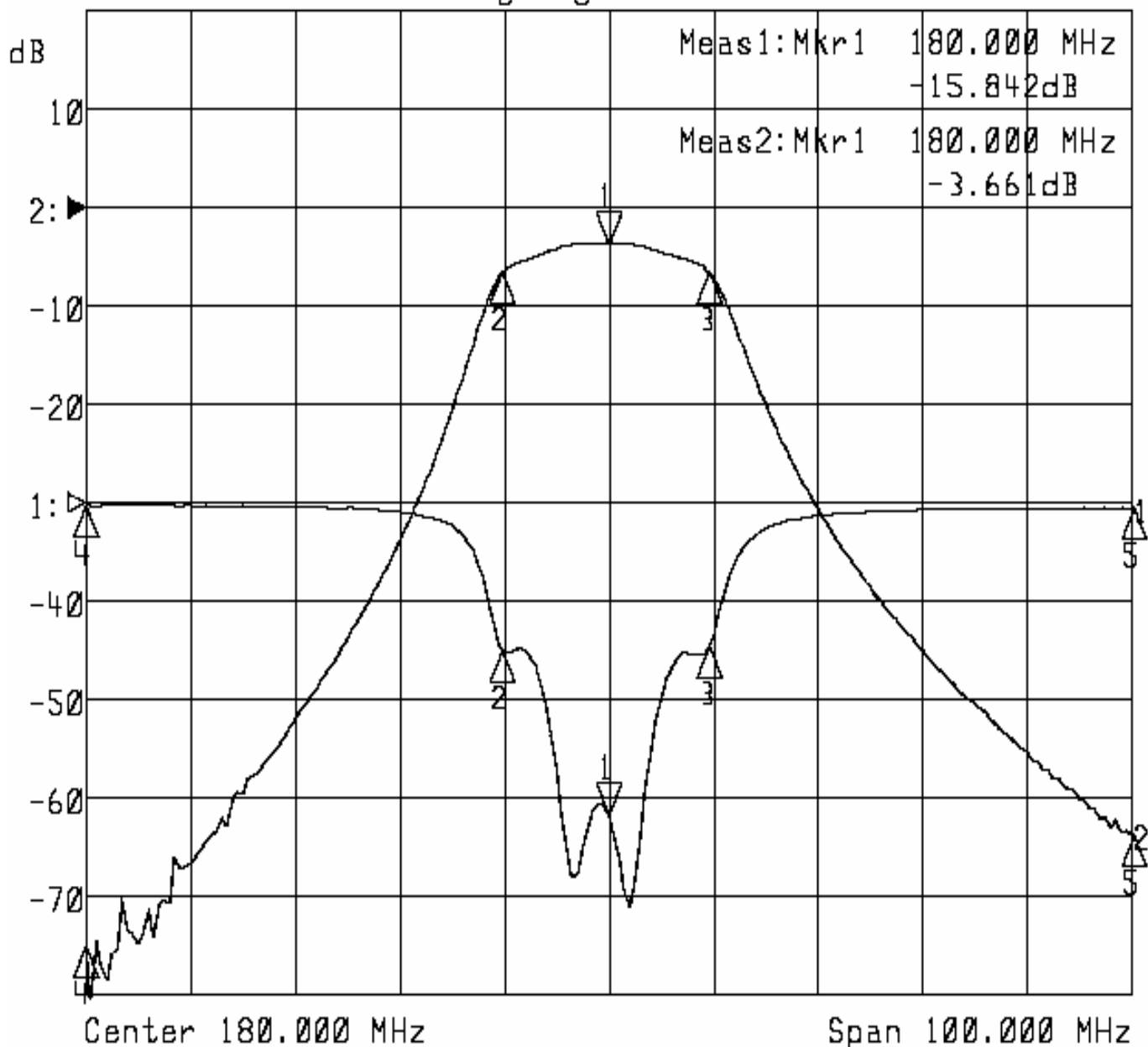
Approval	Supervisor	Designer	Aperture size
	C.S.Chang	C.S.Chang	7H4S 4*4.70 7H00LB6

TEMWELL CORPORATION

# Performance-TF69183B1-180M

## 20305025DB

▶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



1: Mkr (MHz)	dB	2: Mkr (MHz)	dB
1> 180.0000	-15.842	1> 180.0000	-3.661
2: 169.8333	-7.459	2: 169.8333	-6.612
3: 189.6333	-7.220	3: 189.6333	-6.604
4: 130.0000	-0.158	4: 130.0000	-75.029
5: 230.0000	-0.295	5: 230.0000	-63.827