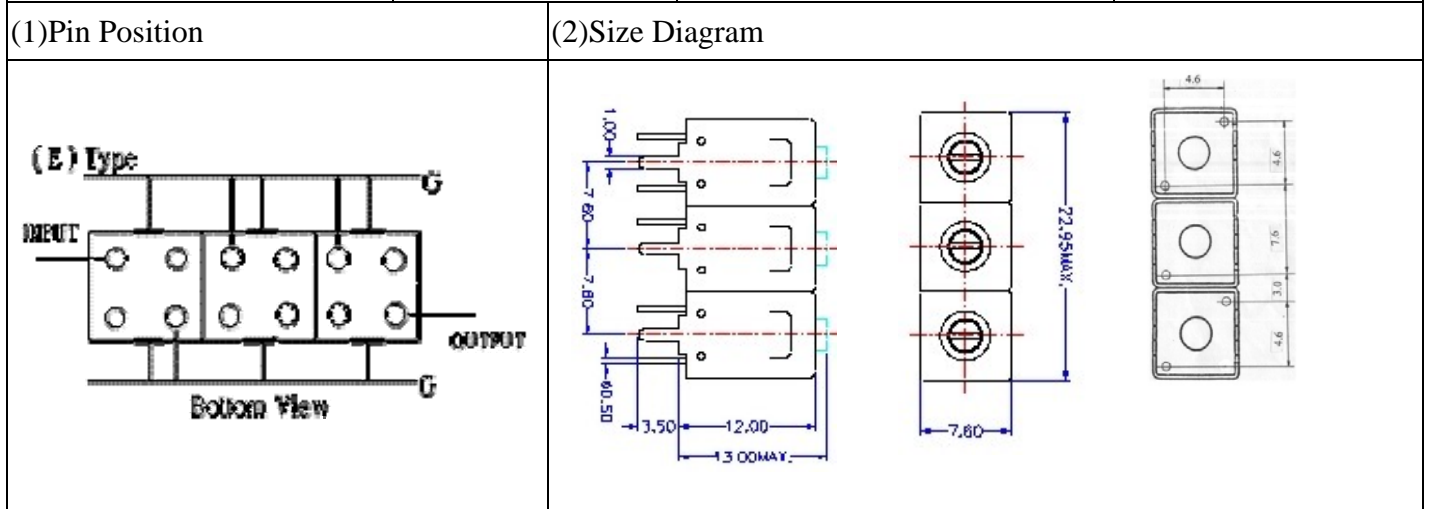


# VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TTL67503E-675M
Approval No. /dated	20203036DC	Acceptable Specify Fo. Range	661~700MHz
Work Instruction No.	20203036DC	Date	March 19, 2002

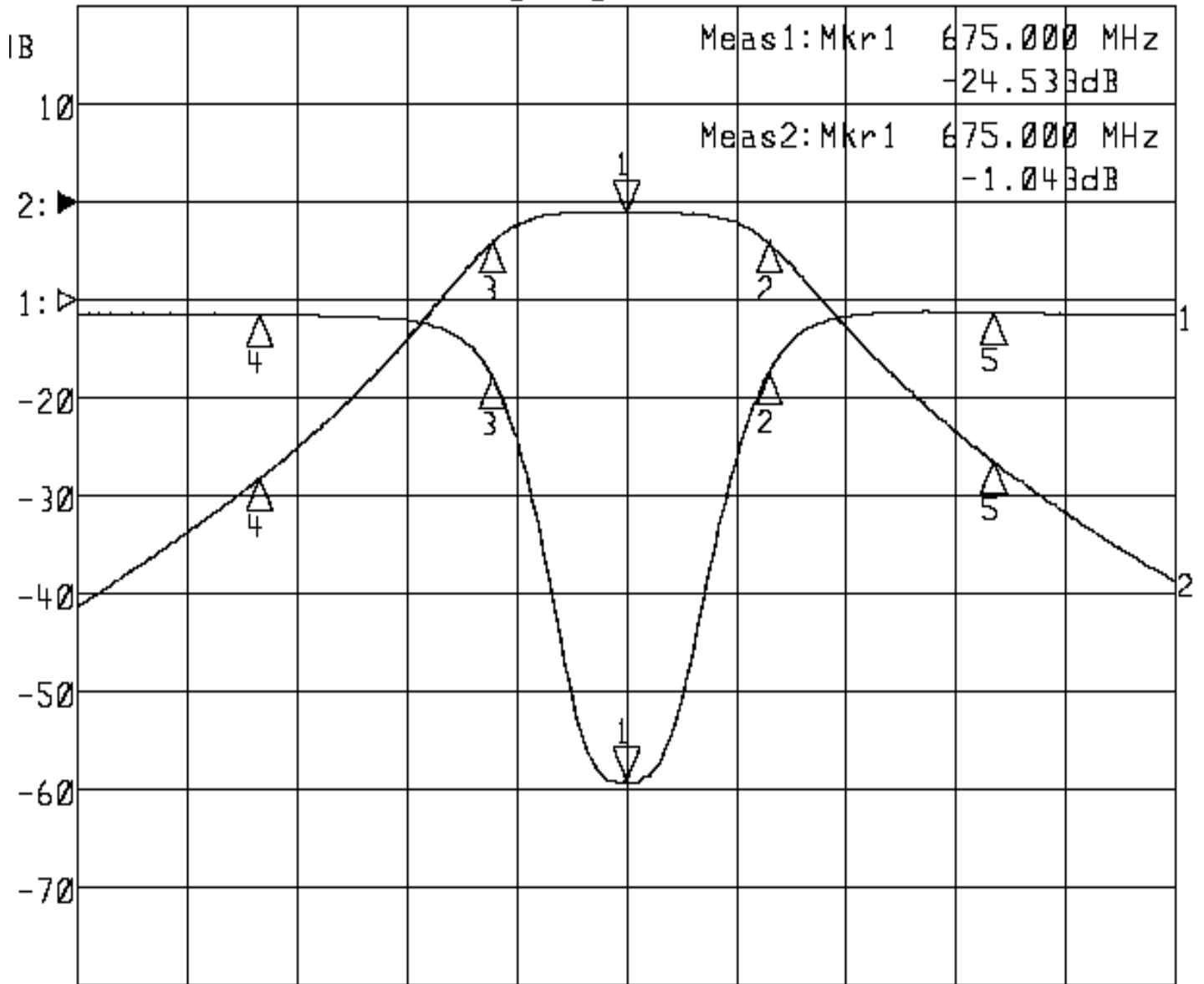


(3) Electric Character			
Item		Specify	Performance
Center Freq.(Fo) +/- 0.5 %		675 MHz	675 MHz
Tunable Range		675±3 MHz	675±3 MHz
Insertion Loss		Typ. 2.0 dB	1.0 dB
-3 dB Bandwidth		Typ. 69 MHz	75 MHz
Sensitivity (Attenuation)	Fo - 100 MHz	Typ. 24 dBc	26 dBc
	Fo + 100 MHz	Typ. 23 dBc	25 dBc
	Fo - ( )MHz	Typ. dBc	dBc
	Fo + ( )MHz	Typ. dBc	dBc
Return Loss		Min. 12 dB	24 dB
Ripple		< 1 dB	dB
Impedance		In / Out : 75 Ω	In / Out : 75 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		> 1Watt	
Approval	Supervisor	Designer	Aperture size
C.Y.Chang	C.S.Chang	C.S.Chang	7H3S4*6.5 7H046LB6
TEMWELL CORPORATION			

# Performance-TTL67503E-675M

## 20203036DC

▶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



Meas1: Mkr1    675.000 MHz  
                   -24.533 dB  
 Meas2: Mkr1    675.000 MHz  
                   -1.043 dB

Center 675.000 MHz

Span 300.000 MHz

1: Mkr (MHz)	dB	2: Mkr (MHz)	dB
1> 675.0000	-24.533	1> 675.0000	-1.043
2: 713.6667	-3.765	2: 713.6667	-4.075
3: 638.4667	-3.923	3: 638.4667	-4.095
4: 575.0000	-0.765	4: 575.0000	-28.216
5: 775.0000	-0.665	5: 775.0000	-26.404