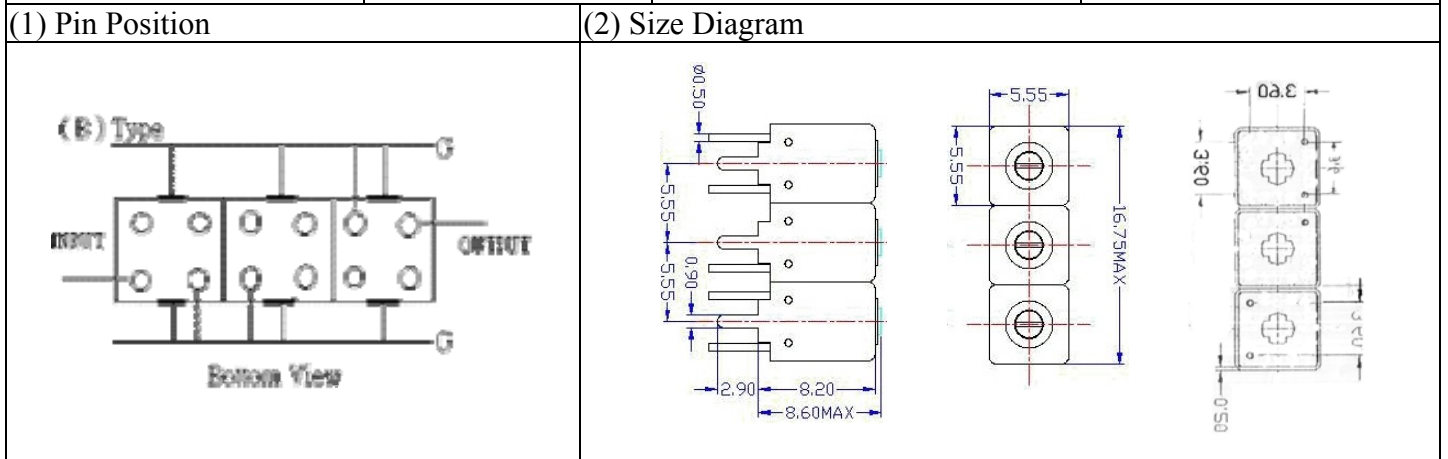


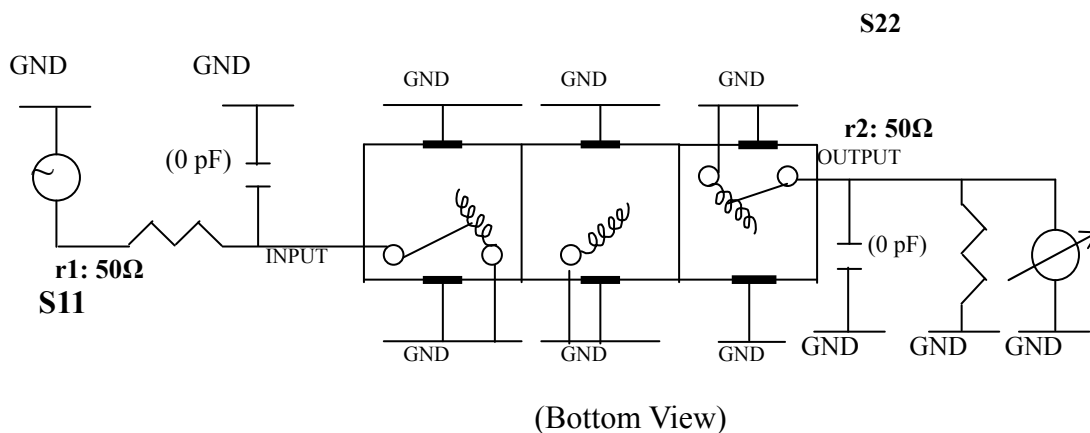
VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TTW3683B-525M
Approval No. /dated	0510075DC	Acceptable Specify Fo Range	501-550 MHz
Work Instruction No.	0510075DC	Date	Jan.06.2006



Item		Specify		Performance	
Center Freq. (Fo) +/- 0.5 %		525	MHz	525	MHz
Tunable Range:		525±5	MHz	525±5	MHz
Insertion Loss		Typ. 4.0	dB	3.01	dB
-3 dB Bandwidth		Typ. 25	MHz	28.5	MHz
Sensitivity (Attenuation)	Fo - 50 MHz	Typ. 31	dBc	34	dBc
	Fo + 50 MHz	Typ. 23	dBc	26	dBc
	Fo - ()MHz	Typ.	dBc		dBc
	Fo +()MHz	Typ.	dBc		dBc
Return Loss		Min. 12	dB	29.5	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		0°C ~ +60°C			
Storage Temperature		-20°C ~ +70°C			
(6) Input Power		> 0.5Watt			

(7) Measuring Circuit: ※Easy to match Impedance S11/S22 50Ω by parallel with about(0pF) / (0pF).



Approval	Supervisor	Designer	Aperture size
C.Y. Chang	C.S. Chang	C.S. Chang	5W3, 3.8*5.1(5.12) 5HW024LB3

TEMWELL CORPORATION

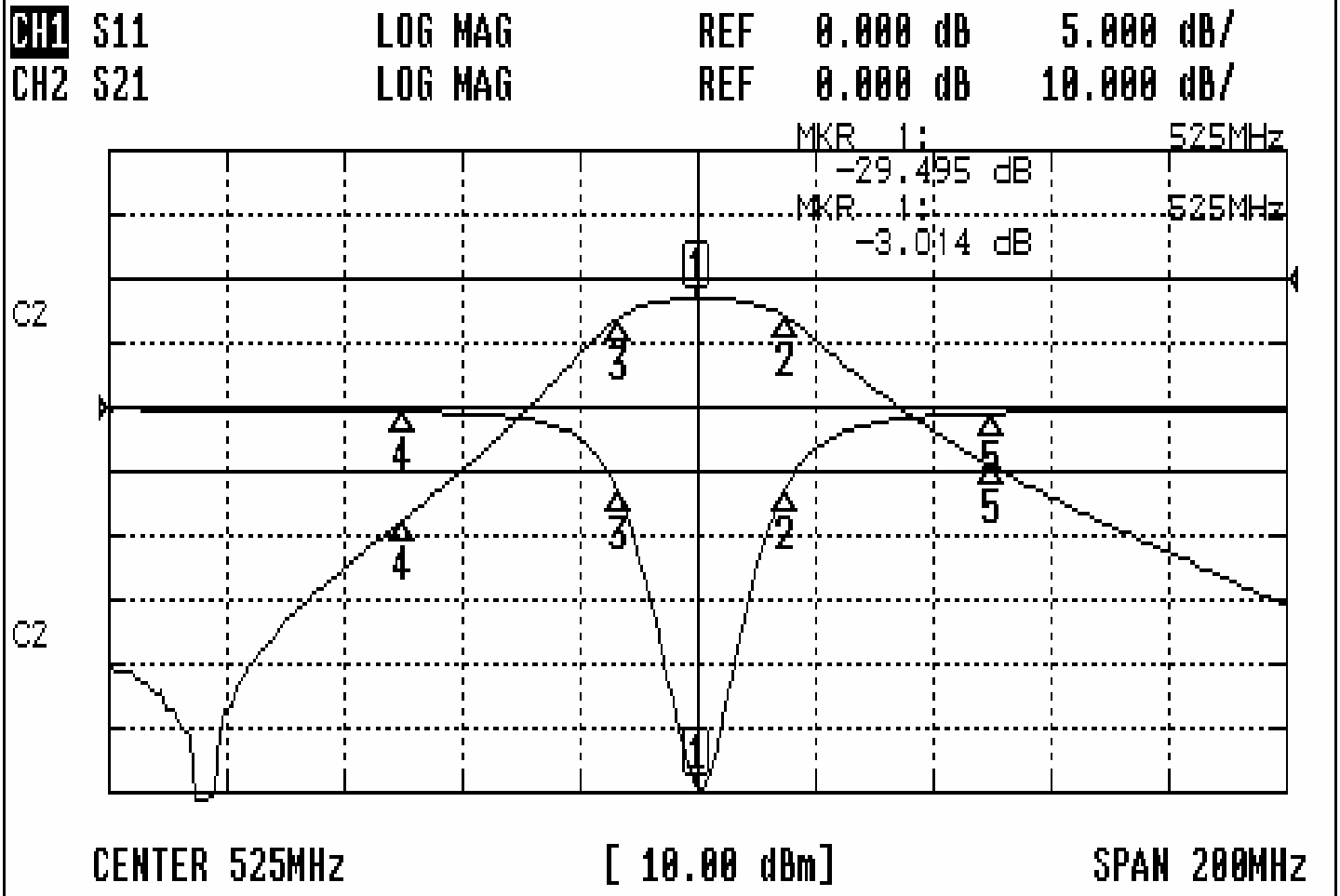
TEMWELL

Form10-5W3B Vision D

RP: C.S. Chang

Performance-TTW3683B-525M

0510075DC



CH1 MARKER LIST

Marker	Frequency (MHz)	Magnitude (dB)
1	525.000	-29.522
2	540.000	-6.378
3	511.500	-6.527
4	475.000	-0.330
5	575.000	-0.472

CH2 MARKER LIST

Marker	Frequency (MHz)	Magnitude (dB)
1	525.000	-3.014
2	540.000	-5.996
3	511.500	-6.087
4	475.000	-37.548
5	575.000	-29.079