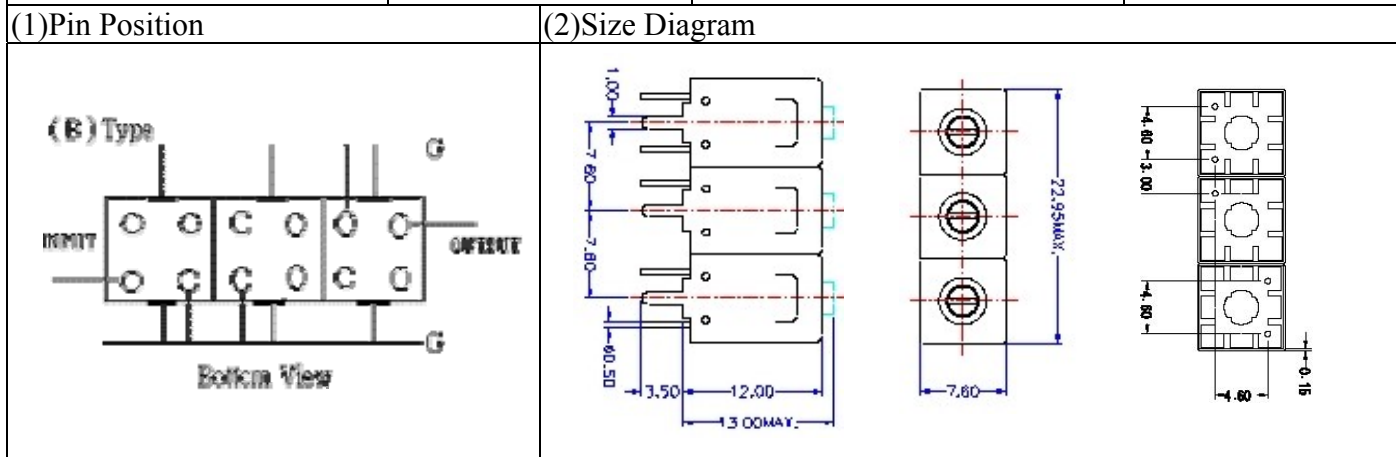


VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TTL67857B-790M
Approval No. /dated	200808017APR	Acceptable Specify Fo. Range	751~800MHz
Work Instruction No.	200808017BD	Date	Sep.10.2008



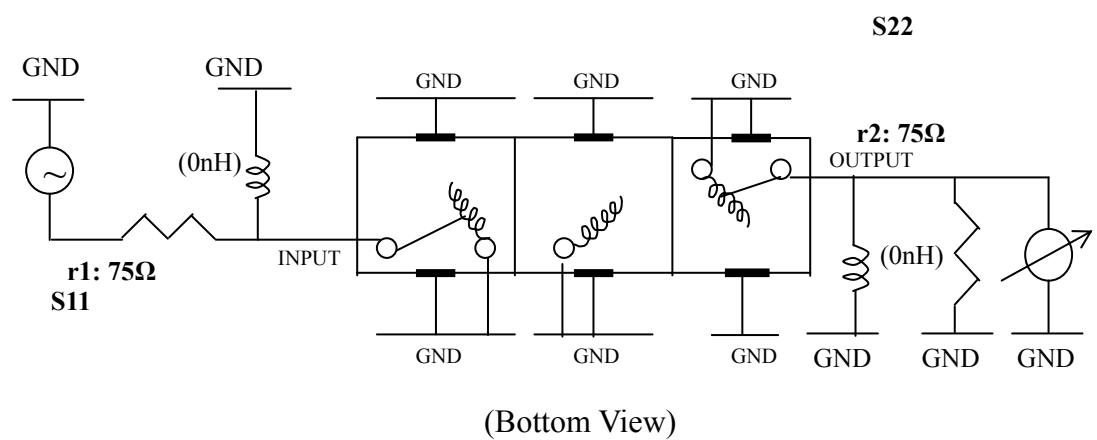
(3) Electric Characteristic			
Item	Specify	Performance	
Center Freq.(Fo) +/- 0.5 %	790 MHz	790 MHz	
Tunable Range:	790±3 MHz	790±3 MHz	
Insertion Loss	Typ. 2.5 dB	0.78 dB	
-3 dB Bandwidth	Typ. 144 MHz	148.1 MHz	
Sensitivity (Attenuation)	Fo - 200 MHz	Typ. 40 dBc	43 dBc
	Fo + 200 MHz	Typ. 16 dBc	19 dBc
	Fo - ()MHz	Typ. dBc	dBc
	Fo +()MHz	Typ. dBc	dBc
Return Loss	Min. 12 dB	25.4 dB	
Ripple	< 1 dB	dB	
Impedance	In / Out : 75 Ω	In / Out : 75 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 > 1 Watt

(7) Measuring Circuit: ※Easy to match Impedance S11/S22 75Ω by parallel with about(0nH) / (0nH).



Approval	Supervisor	Designer	Aperture size
C.Y.Chang	C.S.Chang	C.S.Chang	7H3S4*8.0F 7H046RB6.5

TEMWELL CORPORATION

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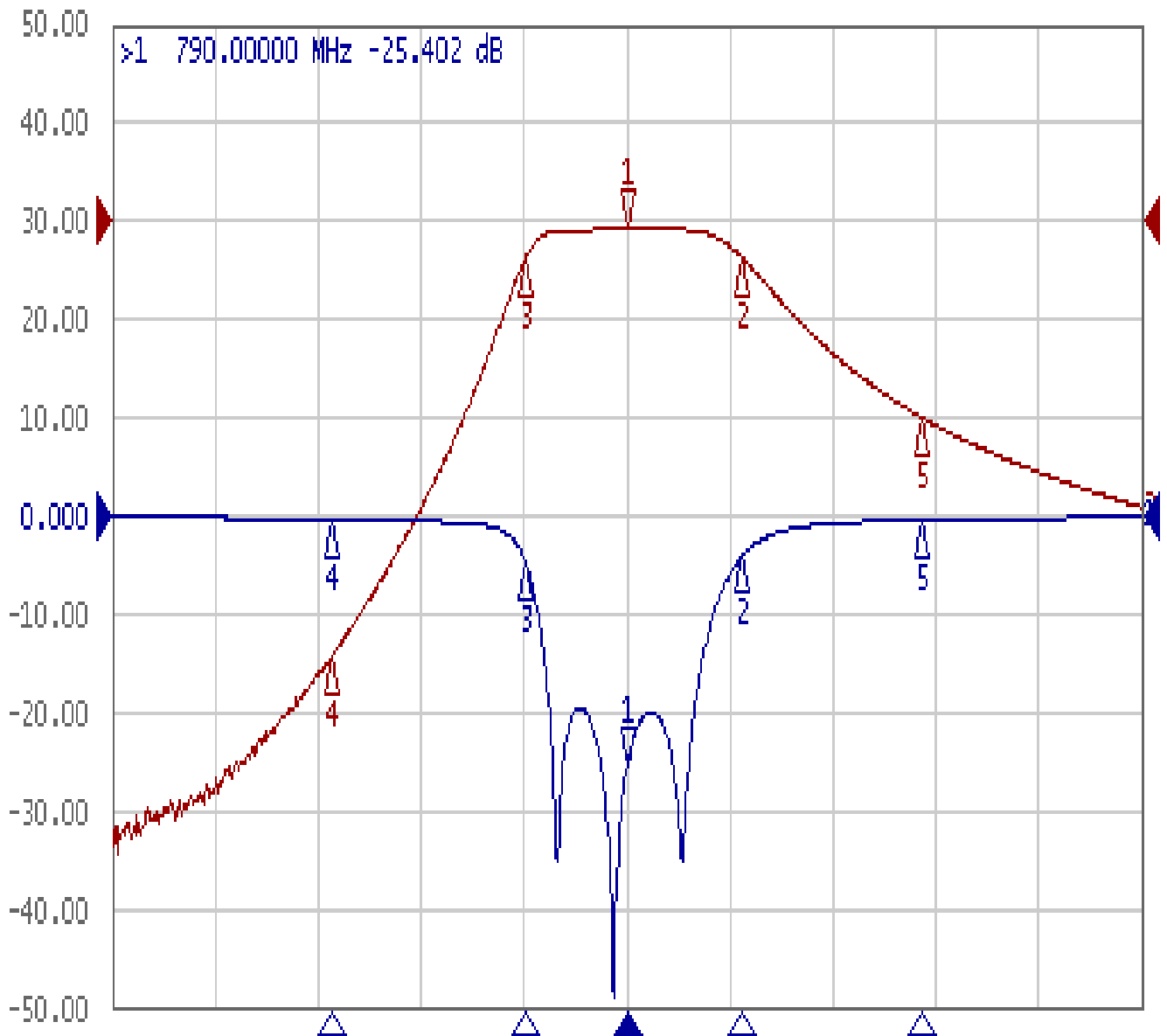
Form10-7H3B Vision D

RP(C.S.C)

Performance-TTL67857B-790M

200808017BD

▶ Tr1 S11 Log Mag 10.00dB/ Ref 0.000dB [F2]
Tr2 S21 Log Mag 10.00dB/ Ref 0.000dB [F2]



1 Center 790 MHz

IFBW 10 kHz

Span 700 MHz



Ch1	Tr1	S11	>1	790.00000	MHz	-25.402	dB
Ch1	Tr1	S11	2	868.93550	MHz	-3.9676	dB
Ch1	Tr1	S11	3	720.85000	MHz	-4.7025	dB
Ch1	Tr1	S11	4	590.00000	MHz	-0.2994	dB
Ch1	Tr1	S11	5	990.00000	MHz	-0.3874	dB
Ch1	Tr2	S21	1	790.00000	MHz	-0.7838	dB
Ch1	Tr2	S21	2	868.93550	MHz	-3.8146	dB
Ch1	Tr2	S21	3	720.85000	MHz	-3.7731	dB
Ch1	Tr2	S21	4	590.00000	MHz	-44.100	dB
Ch1	Tr2	S21	5	990.00000	MHz	-19.918	dB