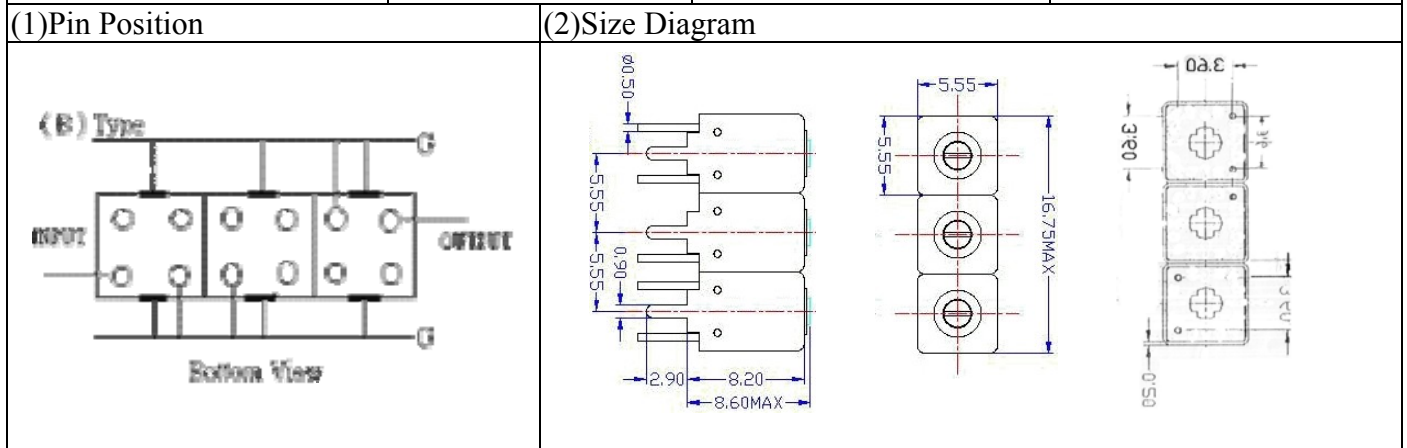


VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TTW3881B-2590M
Approval No. /dated	0705050APR	Temwell's Print Name.	3881B 2590M
Work Instruction No.	0705050DB	Date	Jun.07.2007



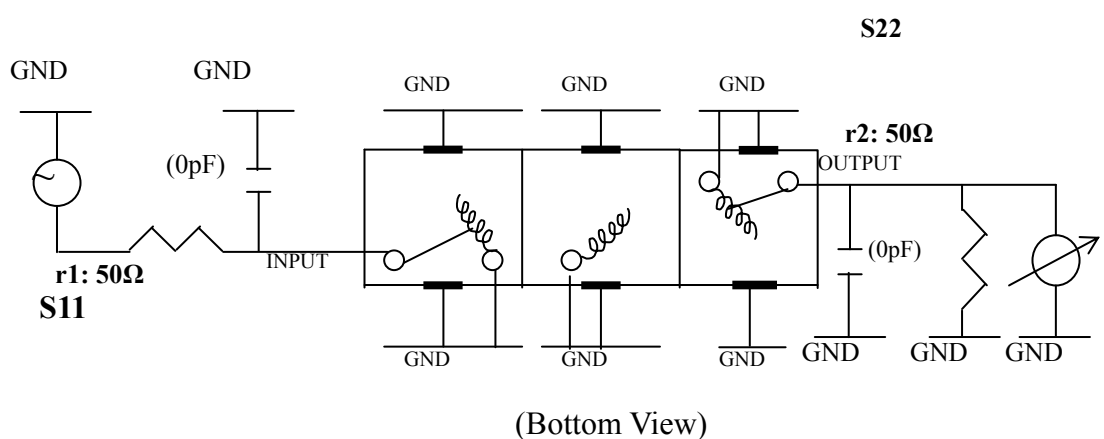
(3) Electric Character		Item	Specify	Performance
Center Freq.(Fo) +/- 0.5 %			2590 MHz	2590 MHz
Tunable Range:			2590±10 MHz	2590±10 MHz
Insertion Loss		Typ.	3.5 dB	3.25 dB
-1 dB Bandwidth		Typ.	22 MHz	43.4 MHz
-3 dB Bandwidth		Typ.	27 MHz	48.4 MHz
Sensitivity (Attenuation)	Fo - 150 MHz	Typ.	28 dBc	31 dBc
	Fo + 150 MHz	Typ.	22 dBc	25 dBc
	Fo - ()MHz	Typ.	dBc	dBc
	Fo +()MHz	Typ.	dBc	dBc
Return Loss		Min.	12 dB	21.5 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 C.Y.Chang	Supervisor C.S.Chang	Designer C.S.Chang	Aperture size 5W3S(3.8*3.5) 5HW046RB3.2
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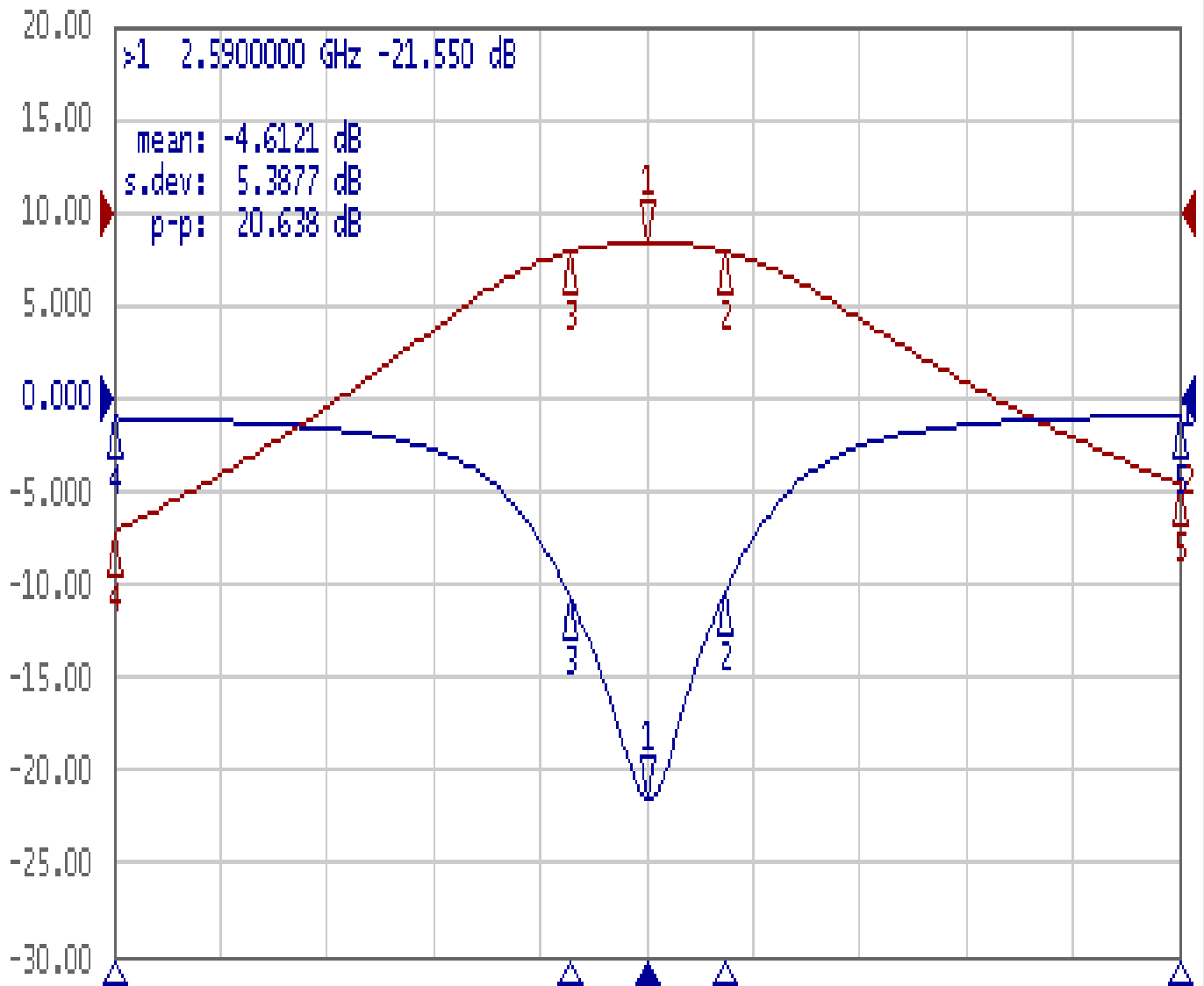
TEMWELL CORPORATION

Performance-TTW3881B-2590M

0705050DB

Tr1 S11 Log Mag 5.000dB/ Ref 0.000dB [F2]

Tr2 S21 Log Mag 10.000dB/ Ref 0.000dB [F2]



1 Center 2.59 GHz

IFBW 10 kHz

Span 300 MHz **Cor** !

Ch1	Tr1	S11	>1	2.5900000	GHz	-21.550	dB
Ch1	Tr1	S11	2	2.6118550	GHz	-10.498	dB
Ch1	Tr1	S11	3	2.5684390	GHz	-10.624	dB
Ch1	Tr1	S11	4	2.4400000	GHz	-1.0346	dB
Ch1	Tr1	S11	5	2.7400000	GHz	-0.9238	dB
Ch1	Tr2	S21	1	2.5900000	GHz	-3.2512	dB
Ch1	Tr2	S21	2	2.6118550	GHz	-4.2347	dB
Ch1	Tr2	S21	3	2.5684390	GHz	-4.2376	dB
Ch1	Tr2	S21	4	2.4400000	GHz	-34.352	dB
Ch1	Tr2	S21	5	2.7400000	GHz	-29.193	dB