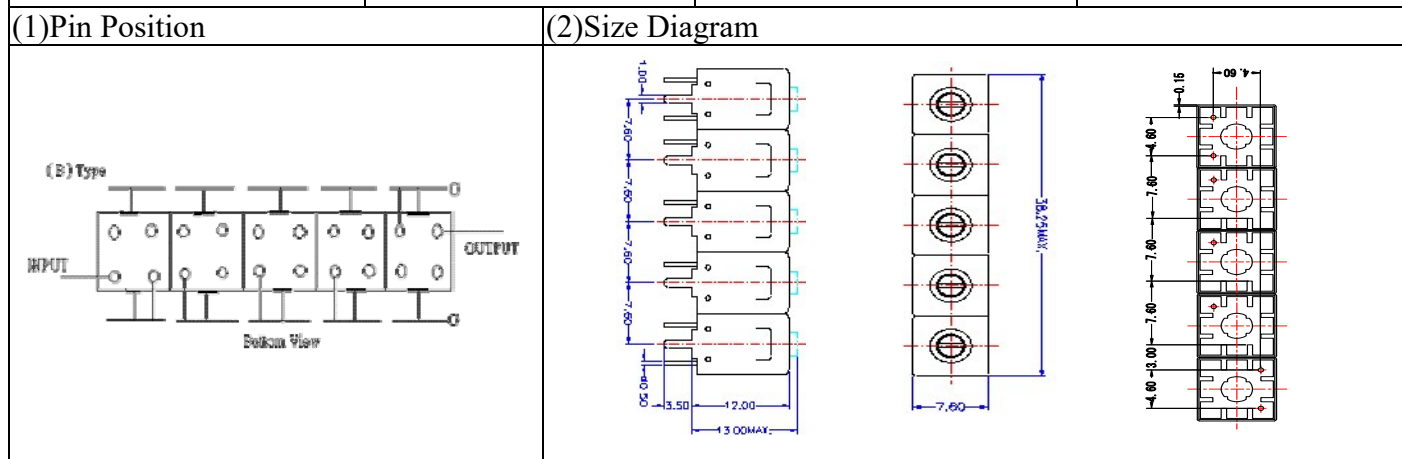


VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TV70188B1-280M
Approval No. /dated	201808019CD	Temwell's Print name.	70188B1 280M
Work Instruction No.	201808019CD	Date	Oct.25.2018



(3) Electric Characteristic

Item	Specify	Performance
Center Freq.(Fo) +/- 0.5 %	280 MHz	280 MHz
Insertion Loss	Typ. 4.5 dB	3.49 dB
-3 dB Bandwidth	Typ. 17 MHz	19.8 MHz
Sensitivity (Attenuation)	Fo - 50 MHz	Typ. 73 dBc
	Fo + 50 MHz	Typ. 56 dBc
	Fo - ()MHz	Typ. dBc
	Fo +()MHz	Typ. dBc
Return Loss	Min. 12 dB	40.7 dB
Ripple	< 1 dB	dB
Impedance	In / Out : 50 Ω	In / Out : 50 Ω

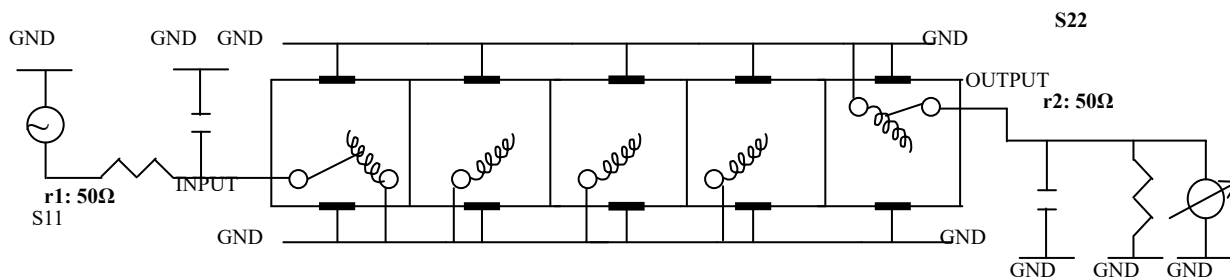
(4) Torque for Tuning Screw > 60gf · cm

(5) Temperature Condition:

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

(6) Input Power > 1Watt

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



(Bottom View)

Approval	Supervisor	Designer	Aperture size
C.Y.Chang	C.K.Chang	C.H.Yeh	7H5S(4*7.5)(7.54) 7H024LB4

TEMWELL CORPORATION

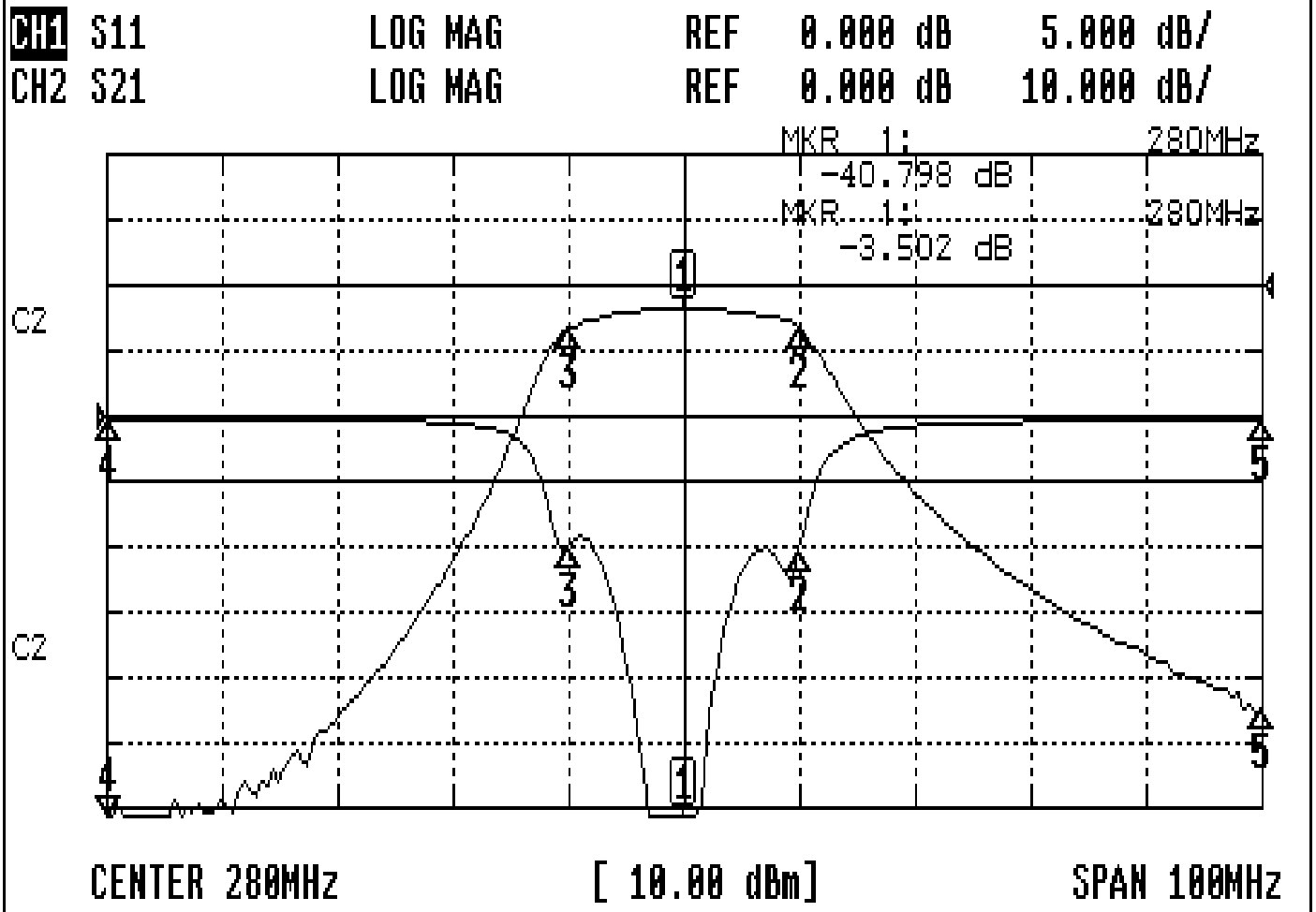
TEMWELL

Form10-7H5B Vision D

RP(C.H.Y)

Performance-TV70188B1-280M

201808019CD



CH1 MARKER LIST

Marker	Frequency (MHz)	Magnitude (dB)
1	280.000	-40.798
2	290.000	-10.336
3	270.110	-9.919
4	230.000	-0.151
5	330.000	-0.272

CH2 MARKER LIST

Marker	Frequency (MHz)	Magnitude (dB)
1	280.000	-10.498
2	290.000	-10.524
3	270.110	-10.530
4	230.000	-10.726
5	330.000	-14.943