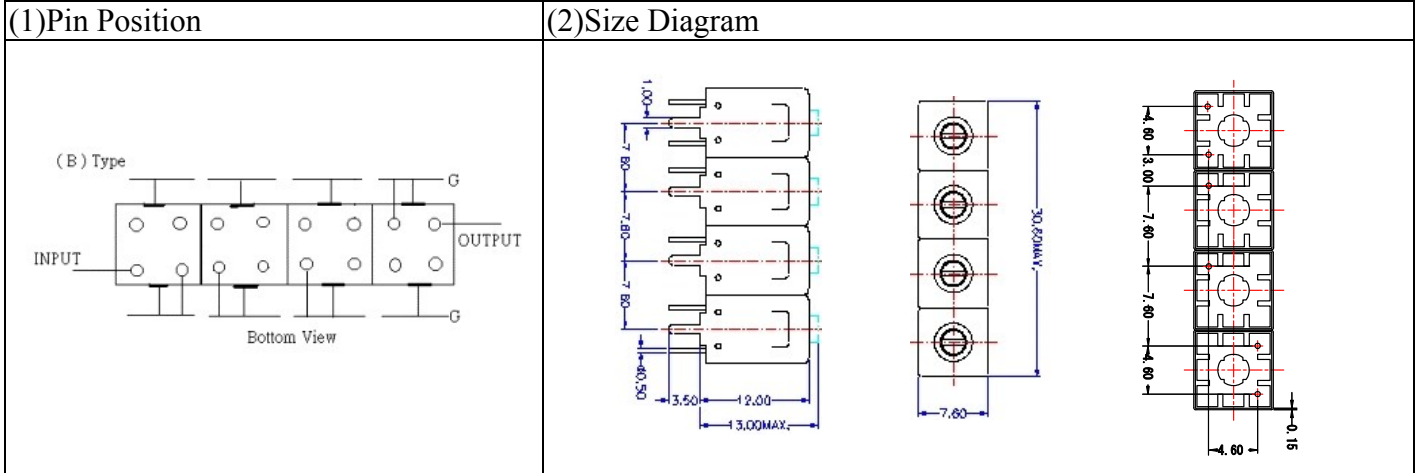


VHF UHF Helical Filter Specification Sheet

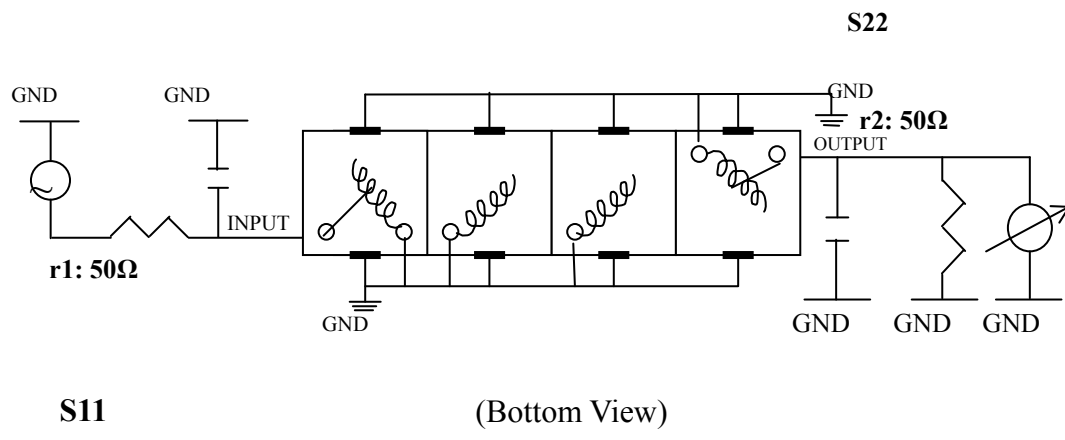
Customer Name		Temwell's Part No.	TF69727B-293M
Approval No. /dated	201702026CD	Temwell's Print Name	69727B 293M
Work Instruction No.	201702026CD	Date	Feb.23.2018



(3) Electric Characteristic

Item	Specify	Performance
Center Freq.(Fo) +/- 0.5 %	293 MHz	293 MHz
Insertion Loss	Typ. 2.0 dB	0.99 dB
-3 dB Bandwidth	Typ. 40 MHz	42.8 MHz
Sensitivity (Attenuation)	Fo - 50 MHz	Typ. 40 dBc
	Fo + 50 MHz	Typ. 25 dBc
	Fo - ()MHz	Typ. dBc
	Fo + ()MHz	Typ. dBc
Return Loss	Min. 12 dB	30.9 dB
Ripple	< 1 dB	> 1 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(- -).



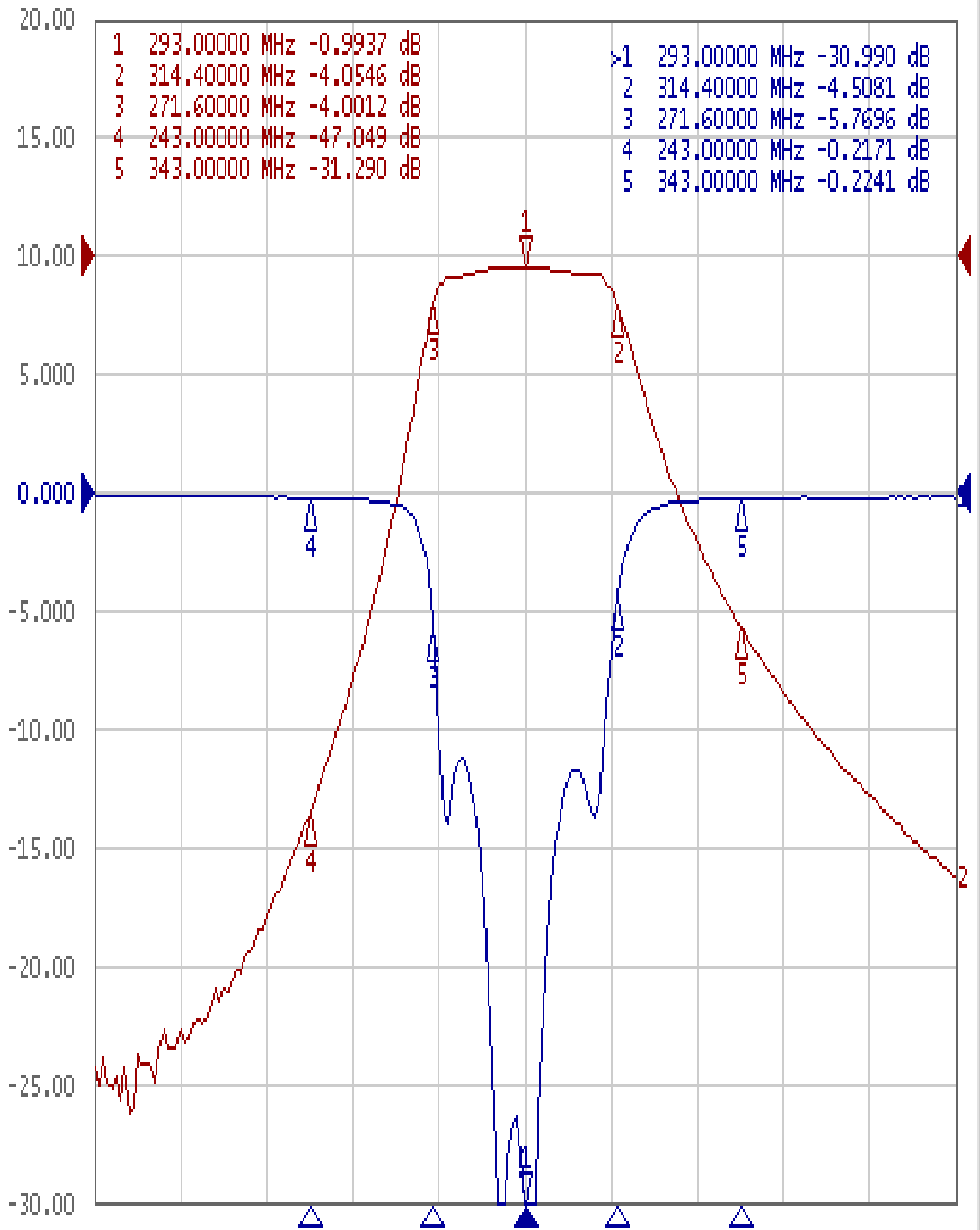
Approval	Supervisor	Designer	Aperture size
C.Y.Chang	C.K.Chang	W.W.Wang	7H4S(4*8.0)(8.02) 7H046RB5.5

TEMWELL CORPORATION

Performance-TF69727B-293M

201702026CD

Tr1 S11 Log Mag 5.000dB/ Ref 0.000dB [F2]
Tr2 S21 Log Mag 10.00dB/ Ref 0.000dB [F2]



1 Center 293 MHz

IFBW 70 kHz

Span 200 MHz Cor !