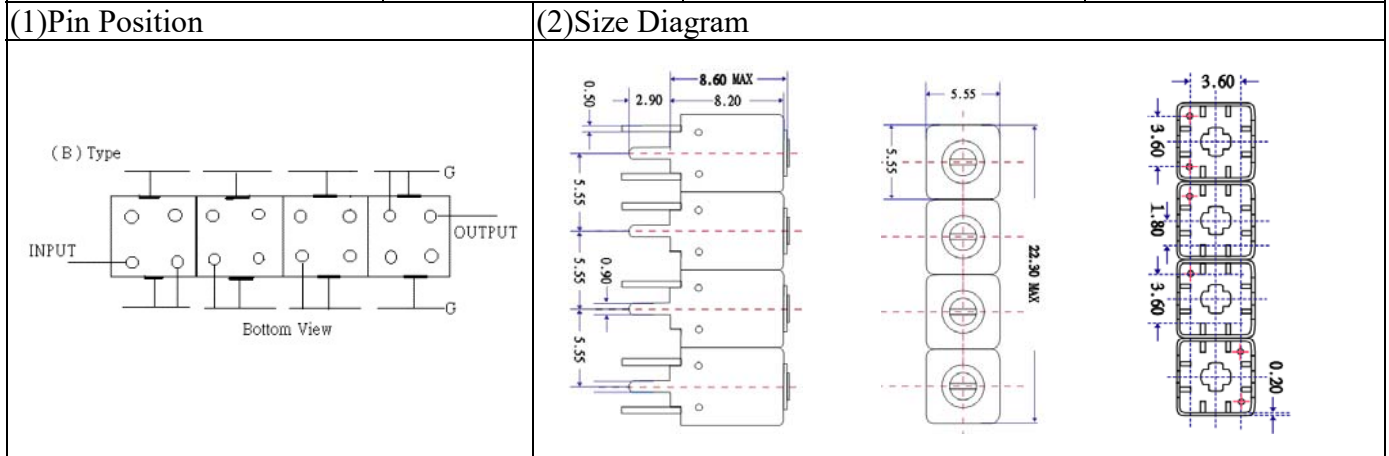


VHF UHF Helical Filter Specification Sheet

| | | | |
|----------------------|-------------|----------------------|----------------|
| Customer Name | | Temwell's Part No. | TFW4798B-2225M |
| Approval No. /dated | | Temwell's Print name | 4798B 2225M |
| Work Instruction No. | 202007045CD | Date | Jul.28.2020 |



(3) Electric Characteristic

| Item | Specify | Performance | |
|------------------------------|-----------------|-----------------|--------|
| Center Freq.(Fo) +/- 0.5 % | 2225 MHz | 2225 MHz | |
| Insertion Loss | Typ. 5.0 dB | 3.69 dB | |
| -3 dB Bandwidth | Typ. 62 MHz | 79.7 MHz | |
| Sensitivity (Attenuation) | Fo - 150 MHz | Typ. 47 dBc | 53 dBc |
| | Fo + 150 MHz | Typ. 31 dBc | 36 dBc |
| | Fo - ()MHz | Typ. dBc | dBc |
| | Fo +()MHz | Typ. dBc | dBc |
| Return Loss | Min. 12 dB | 14.5 dB | |
| Ripple | < 1 dB | dB | |
| Impedance | In / Out : 50 Ω | In / Out : 50 Ω | |

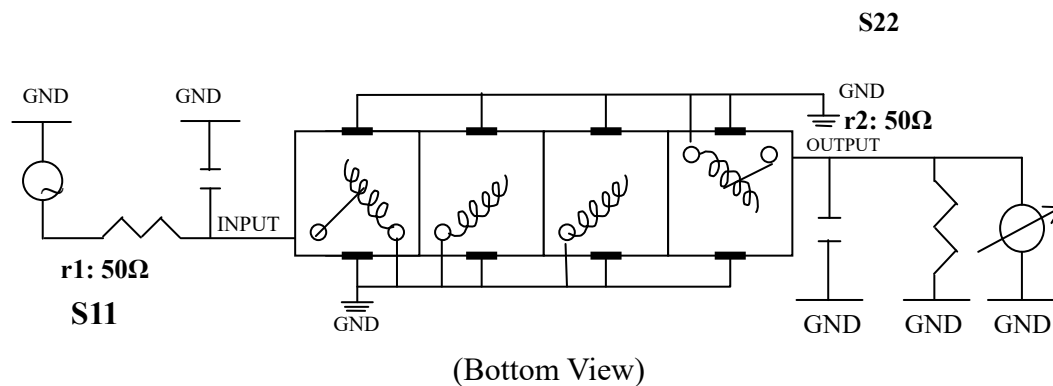
(4) Torque for Tuning Screw > 60gf · cm

(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(- -).



| | | | |
|-----------|------------|----------|---|
| Approval | Supervisor | Designer | Aperture size |
| C.C.Chang | C.K.Chang | M.Y.Kang | 5W4S(3.8*4.5)(4.52) 5HW046RB3.2 (J1) |

TEMWELL CORPORATION

Performance-TFW4798B-2225M

202007045CD

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

