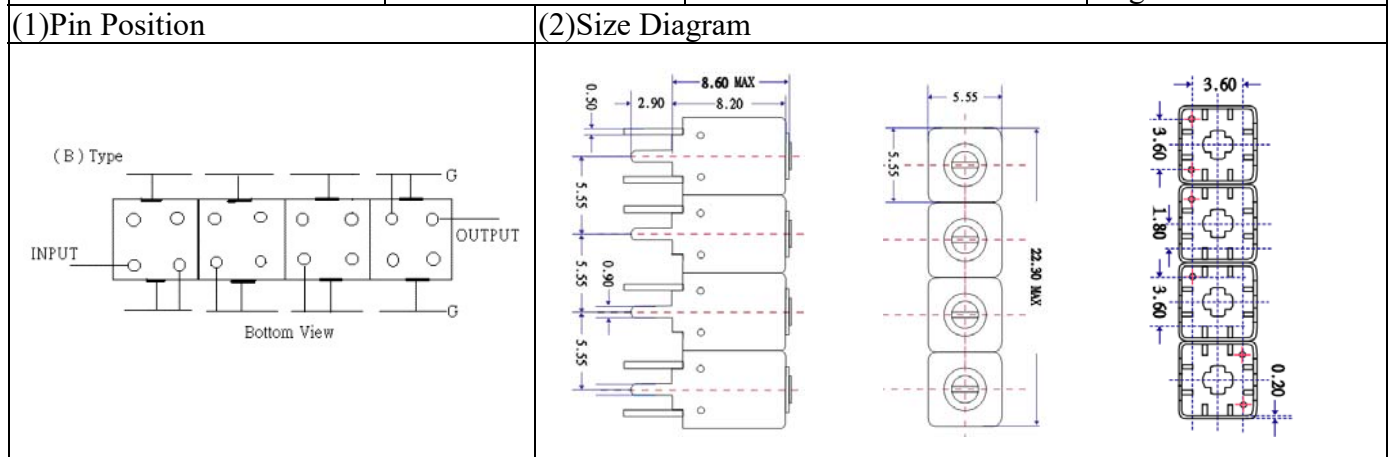


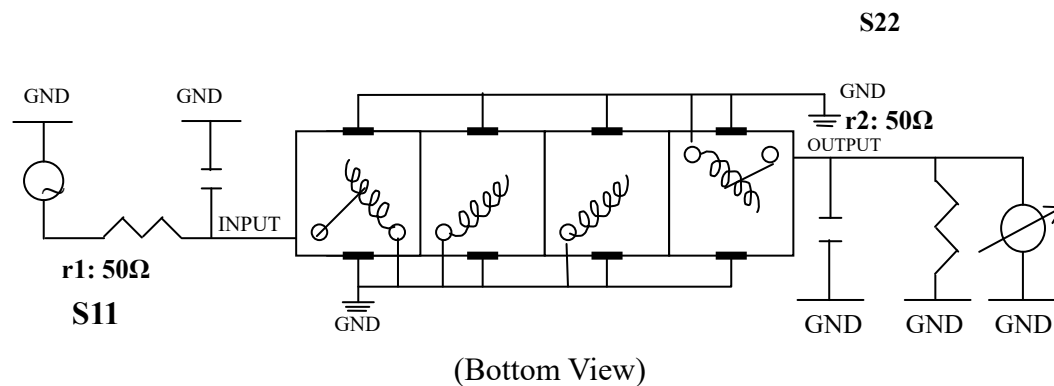
VHF UHF Helical Filter Specification Sheet

| | | | |
|----------------------|-------------|----------------------|-----------------|
| Customer Name | | Temwell's Part No. | TFW4854B1-2400M |
| Approval No. /dated | | Temwell's Print name | 4854B1 2400M |
| Work Instruction No. | 202007055CD | Date | Aug.19.2020 |



| (3)Electric Charasteric | | | |
|-------------------------------|-----------------|-----------------|--------|
| Item | Specify | Performance | |
| Center Freq.(Fo) +/- 0.5 % | 2400 MHz | 2400 MHz | |
| Insertion Loss | Typ. 4.5 dB | 3.01 dB | |
| -3 dB Bandwidth | Typ. 100 MHz | 115 MHz | |
| Sensitivity (Attenuation) | Fo - 200 MHz | Typ. 53 dBc | 63 dBc |
| | Fo + 200 MHz | Typ. 35 dBc | 40 dBc |
| | Fo - ()MHz | Typ. dBc | dBc |
| | Fo +()MHz | Typ. dBc | dBc |
| Return Loss | Min. 12 dB | 15.3 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(- -).

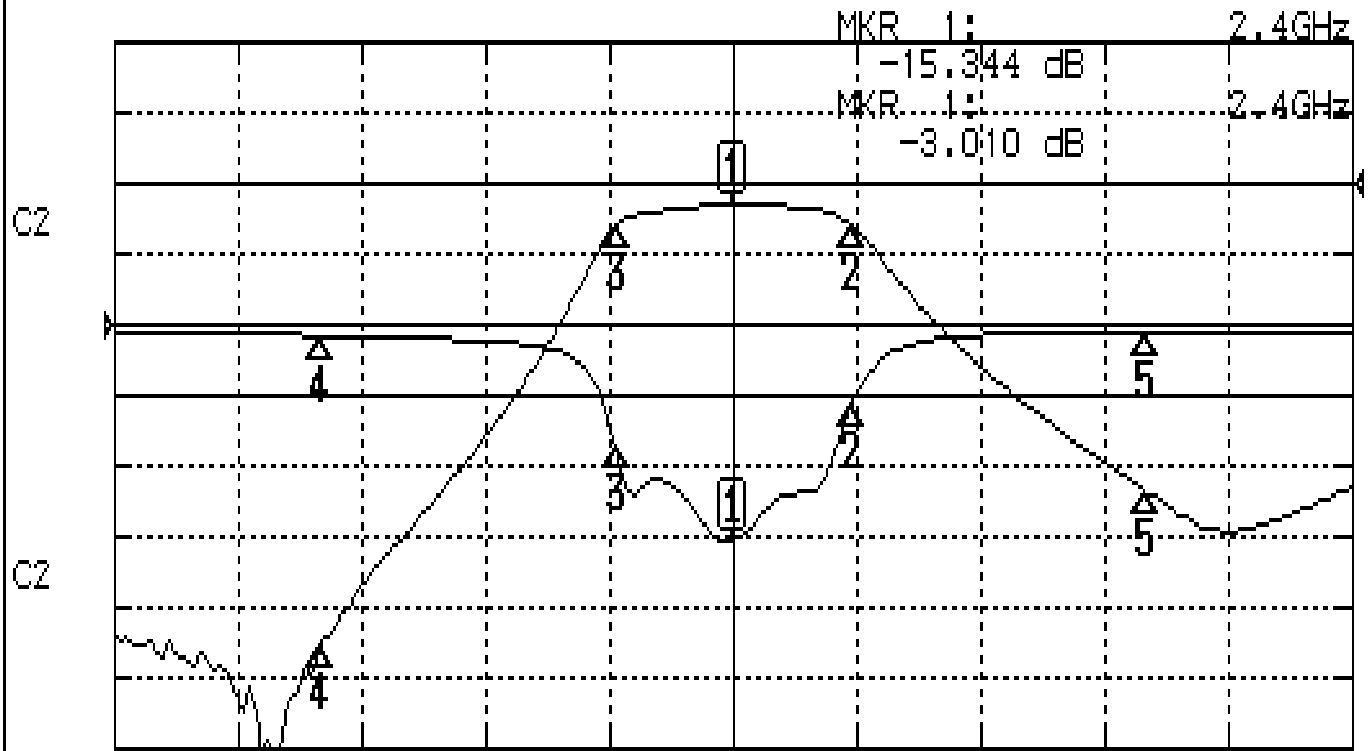


| | | | |
|---------------------|------------|----------|---|
| Approval | Supervisor | Designer | Aperture size |
| C.C.Chang | C.K.Chang | Z.Y.Wang | 5W4S(3.8*5.1)(5.13) 5HW046RB3.2 (J1) |
| TEMWELL CORPORATION | | | |

Performance-TFW4854B1-2400M

202007055CD

CH1 S11 LOG MAG REF 0.000 dB 5.000 dB/
CH2 S21 LOG MAG REF 0.000 dB 10.000 dB/



CENTER 2.4GHz

[10.00 dBm]

SPAN 600MHz

CH1 MARKER LIST

| | | | | |
|----|-------|--------|---------|----|
| 1: | 2.400 | 000GHz | -15.344 | dB |
| 2: | 2.458 | 000GHz | -15.649 | dB |
| 3: | 2.343 | 000GHz | -18.637 | dB |
| 4: | 2.200 | 000GHz | -10.758 | dB |
| 5: | 2.600 | 000GHz | -0.674 | dB |

CH2 MARKER LIST

| | | | | |
|----|-------|--------|---------|----|
| 1: | 2.400 | 000GHz | -3.012 | dB |
| 2: | 2.458 | 000GHz | -6.053 | dB |
| 3: | 2.343 | 000GHz | -6.069 | dB |
| 4: | 2.200 | 000GHz | -66.238 | dB |
| 5: | 2.600 | 000GHz | -43.595 | dB |