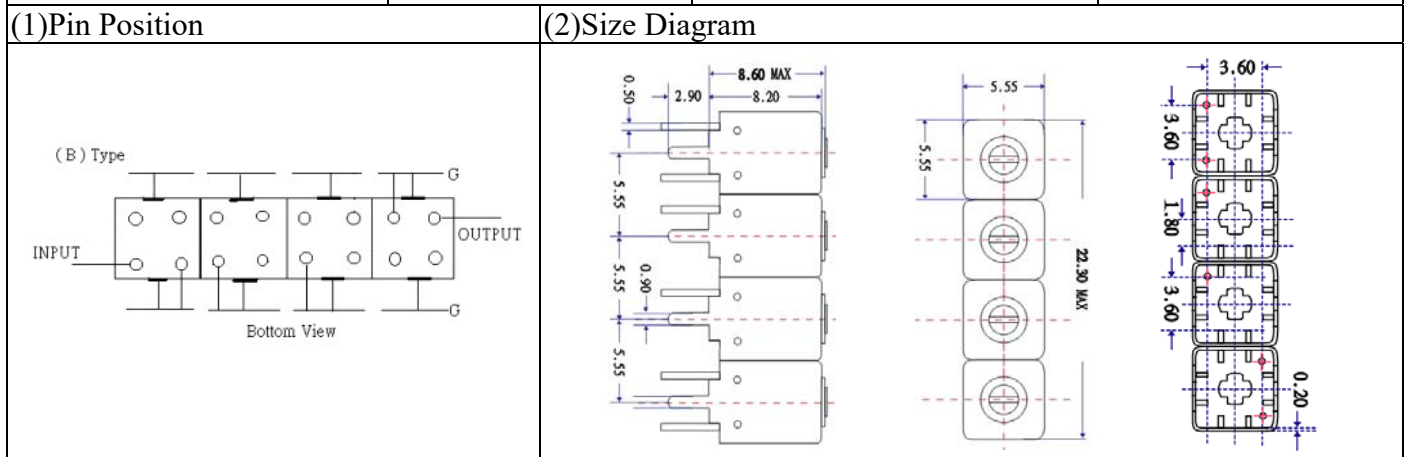
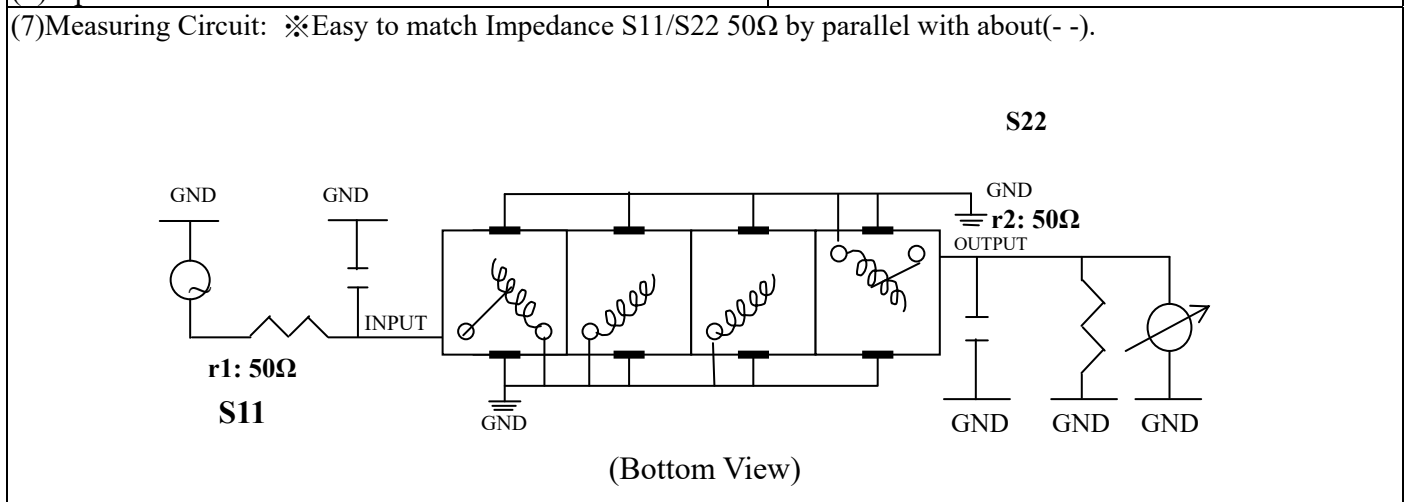


VHF UHF Helical Filter Specification Sheet

| | | | |
|----------------------|-------------|----------------------|----------------|
| Customer Name | | Temwell's Part No. | TFW4759B-1270M |
| Approval No. /dated | 201803034CD | Temwell's Print name | 4759B 1270M |
| Work Instruction No. | 201803034CD | Date | Mar.21.2018 |



| Item | | Specify | Performance |
|------------------------------|--------------|-----------------|-----------------|
| Center Freq.(Fo) +/- 0.5 % | | 1270 MHz | 1270 MHz |
| Insertion Loss | | Typ. 3.0 dB | 2.29 dB |
| -3 dB Bandwidth | | Typ. 65 MHz | 73.1 MHz |
| Sensitivity (Attenuation) | Fo - 200 MHz | Typ. 54 dBc | 64 dBc |
| | Fo + 200 MHz | Typ. 54 dBc | 59 dBc |
| | Fo - ()MHz | Typ. dBc | dBc |
| | Fo +()MHz | Typ. dBc | dBc |
| Return Loss | | Min. 12 dB | 21.8 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 | |



| | | | |
|-----------------------|-------------------------|---------------------|---|
| Approval C.Y.Chang | Supervisor C.K.Chang | Designer C.H.Yeh | Aperture size 5W4S(3.8*4.5)(4.54) 5HW046RB3.2 |
| TEMWELL CORPORATION | | | |

Performance-TFW4759B-1270M

201803034CD

CH1 S11

LOG MAG

REF 0.000 dB

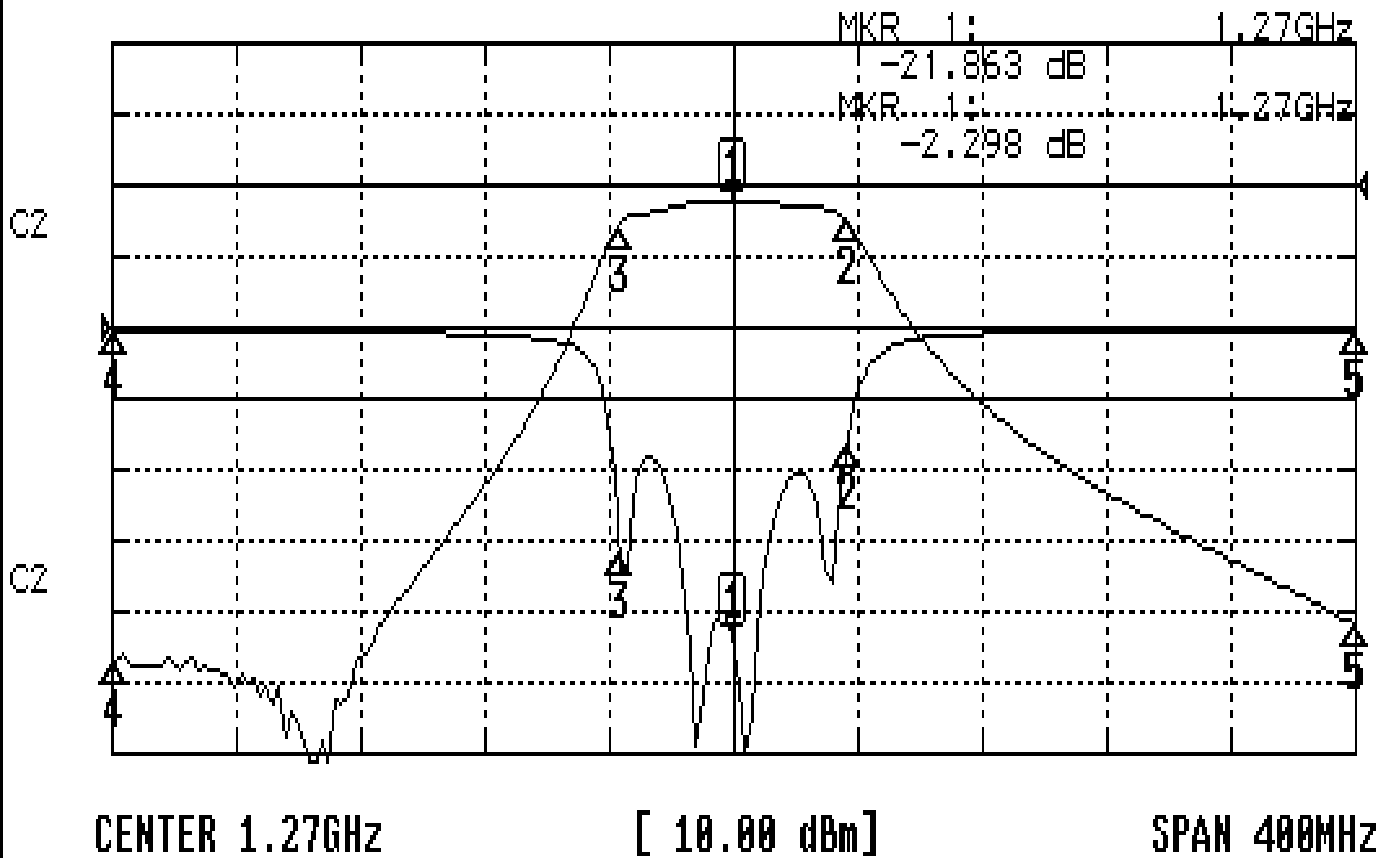
5.000 dB/

CH2 S21

LOG MAG

REF 0.000 dB

10.000 dB/



CH1 MARKER LIST

| Marker | Frequency (GHz) | Magnitude (dB) |
|--------|-----------------|----------------|
| 1: | 1.270 000 | -21.863 |
| 2: | 1.306 666 | -8.205 |
| 3: | 1.233 520 | -15.403 |
| 4: | 1.070 000 | -0.228 |
| 5: | 1.470 000 | -0.327 |

CH2 MARKER LIST

| Marker | Frequency (GHz) | Magnitude (dB) |
|--------|-----------------|----------------|
| 1: | 1.270 000 | -2.298 |
| 2: | 1.306 666 | -15.249 |
| 3: | 1.233 520 | -15.300 |
| 4: | 1.070 000 | -66.328 |
| 5: | 1.470 000 | -61.571 |