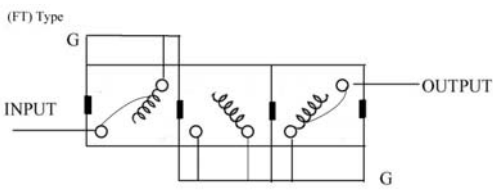
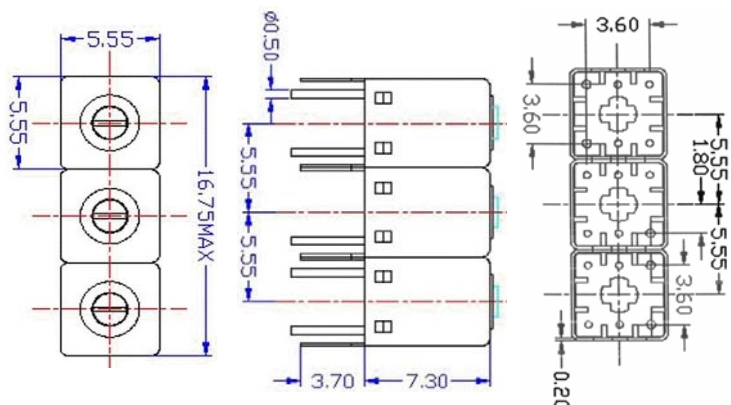


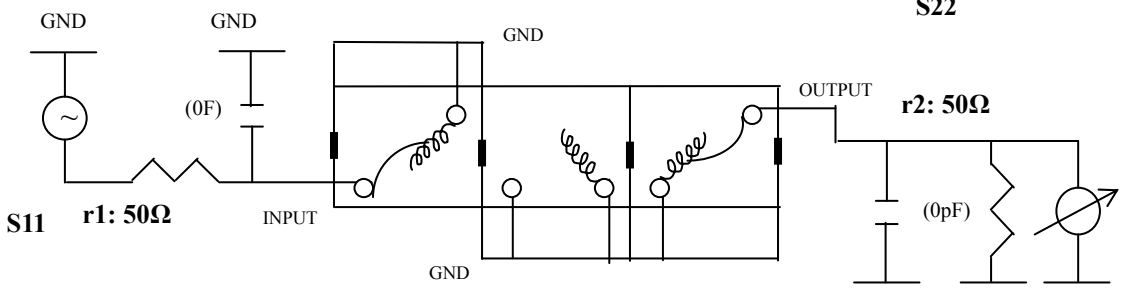
# VHF UHF Helical Filter Specification Sheet

|                      |             |                      |                |
|----------------------|-------------|----------------------|----------------|
| Customer Name        |             | Temwell's Part No.   | TTR3879FT-465M |
| Approval No. /dated  | 1002124CD   | Temwell's Print Name | 3879FT<br>465M |
| Work Instruction No. | 201002124CD | Date                 | Mar.11.2010    |

|                                                                                                                                |                                                                                                            |
|--------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|
| <p>(1) Pin Position</p>  <p>(Bottom View)</p> | <p>(2) Size Diagram</p>  |
|--------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|

| (3) Electric Characteristic  |                 |                 |        |
|------------------------------|-----------------|-----------------|--------|
| Item                         | Specify         | Performance     |        |
| Center Freq.(Fo) +/- 0.5 %   | 465 MHz         | 465 MHz         |        |
| Insertion Loss               | Typ. 3.0 dB     | 2.39 dB         |        |
| -1 dB Bandwidth              | Typ. 15 MHz     | 16.7 MHz        |        |
| -3 dB Bandwidth              | Typ. 20 MHz     | 22.1 MHz        |        |
| Sensitivity<br>(Attenuation) | Fo - 50 MHz     | Typ. 45 dBc     | 52 dBc |
|                              | Fo + 50 MHz     | Typ. 25 dBc     | 32 dBc |
|                              | Fo - ( )MHz     | Typ. dBc        | dBc    |
|                              | Fo +( )MHz      | Typ. dBc        | dBc    |
| Return Loss                  | Min. 12 dB      | 34.0 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(0pF) / (0pF).          |                                        |
|  <p>(Bottom View)</p> | <p>S22</p> <p>r2: 50Ω</p> <p>(0pF)</p> |

|                       |                         |                       |                                                   |
|-----------------------|-------------------------|-----------------------|---------------------------------------------------|
| Approval<br>C.Y.Chang | Supervisor<br>C.K.Chang | Designer<br>C.S.Chang | Aperture size<br>5R3S(3.8*4.2)(4.16)<br>5HW024LB3 |
|-----------------------|-------------------------|-----------------------|---------------------------------------------------|

TEMWELL CORPORATION

# Performance-TTR3879FT-465M

## 201002124CD

