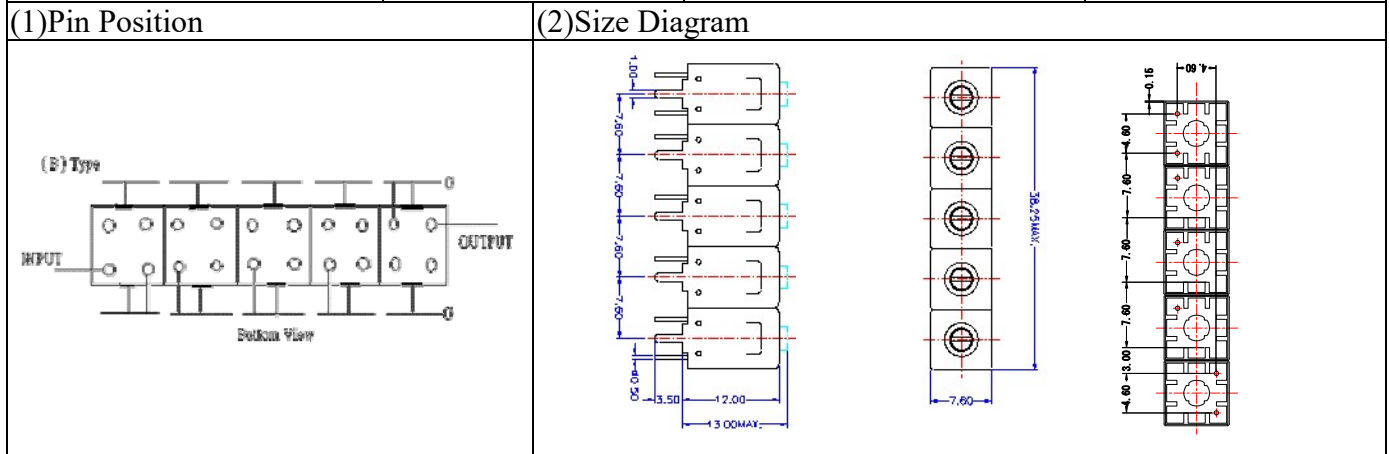


# VHF UHF Helical Filter Specification Sheet

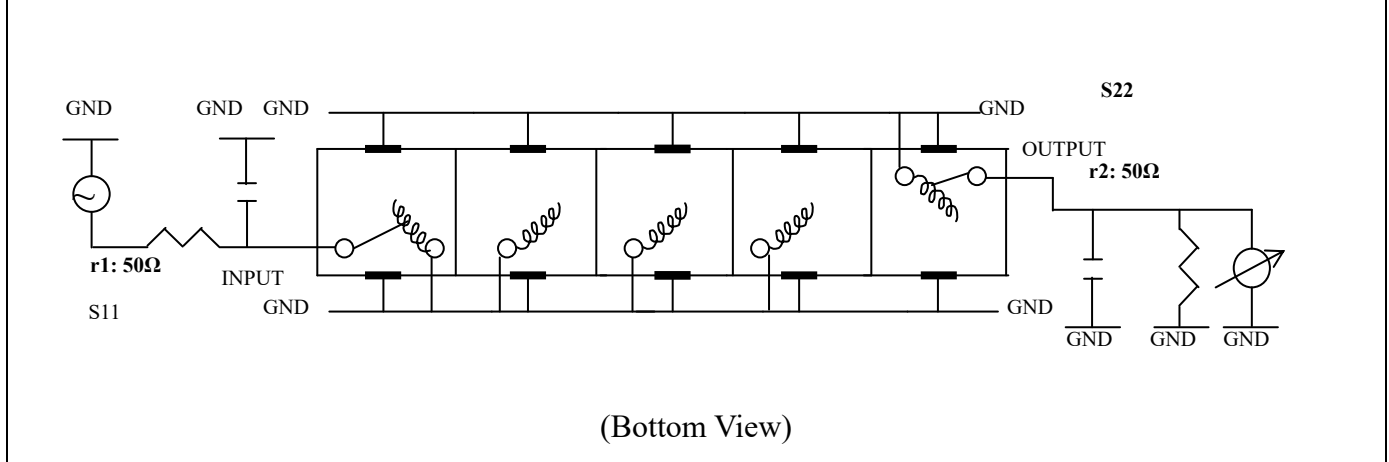
|                      |             |                       |                 |
|----------------------|-------------|-----------------------|-----------------|
| Customer Name        |             | Temwell's Part No.    | TV70655B1-825M  |
| Approval No. /dated  |             | Temwell's Print name. | 70655B1<br>825M |
| Work Instruction No. | 202008020CD | Date                  | Oct.21.2020     |



(3) Electric Characteristic

| Item                         | Specify         | Performance     |
|------------------------------|-----------------|-----------------|
| Center Freq.(Fo ) +/- 0.5 %  | 825 MHz         | 825 MHz         |
| Insertion Loss               | Typ. 3.0 dB     | 2.15 dB         |
| -3 dB Bandwidth              | Typ. 55 MHz     | 61.1 MHz        |
| Sensitivity<br>(Attenuation) | Fo - 100 MHz    | Typ. 65 dBc     |
|                              | Fo + 100 MHz    | Typ. 42 dBc     |
|                              | Fo - ( )MHz     | Typ. dBc        |
|                              | Fo +( )MHz      | Typ. dBc        |
| Return Loss                  | Min. 12 dB      | 27.6 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              | > 1Watt         |                 |

(7) Measuring Circuit: ※ Easy to match Impedance S11/S22 50Ω by parallel with about(- -).



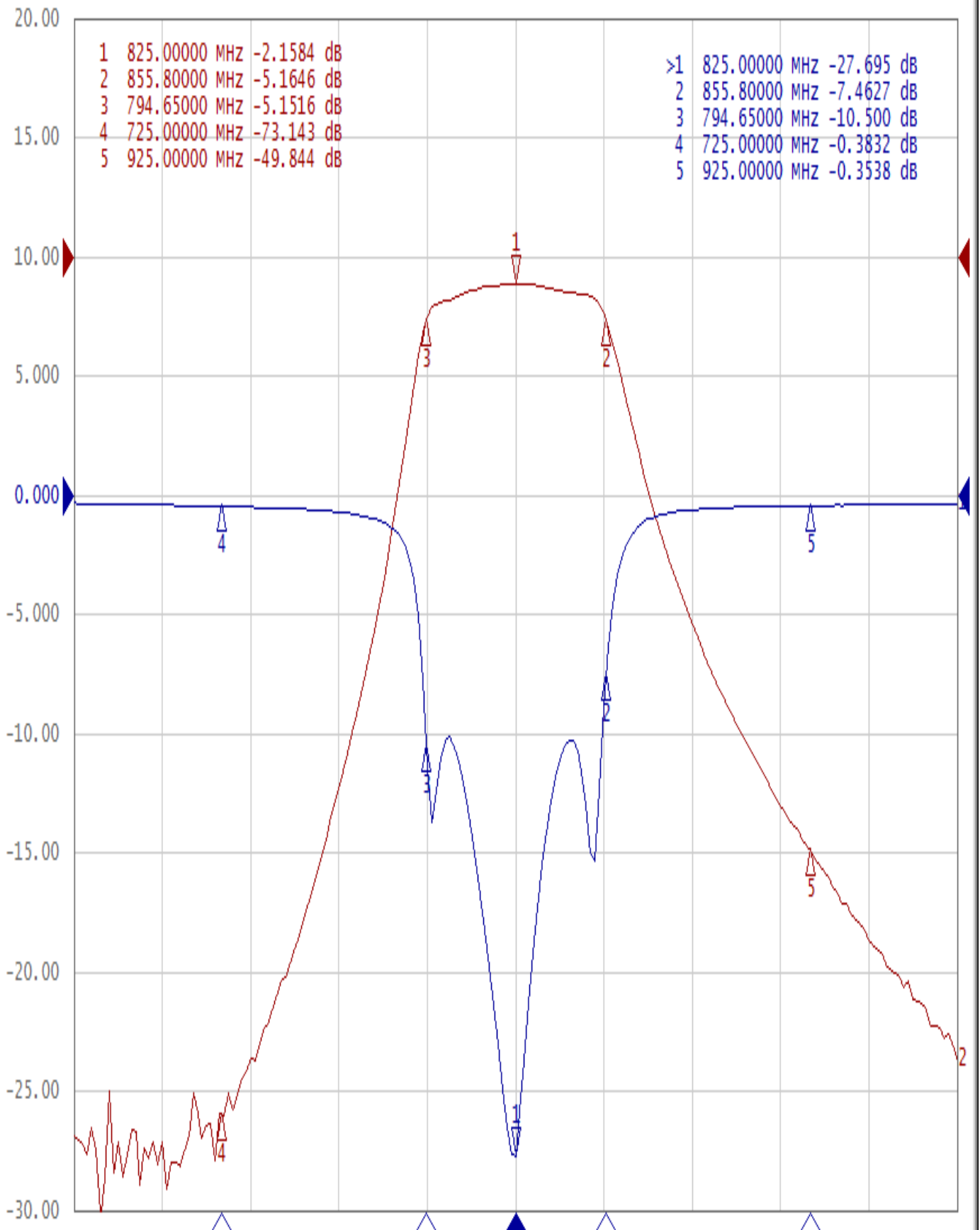
|                       |                         |                      |  |
|-----------------------|-------------------------|----------------------|--|
| Approval<br>C.C.Chang | Supervisor<br>C.K.Chang | Designer<br>M.Y.Kang | Aperture size<br>7H5S(4*6.5)(6.53)<br>7H046RB5.5 |
|-----------------------|-------------------------|----------------------|--|

TEMWELL CORPORATION

# Performance-TV70655B1-825M

## 202008020CD

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



1 Center 825 MHz

IFBW 70 kHz

Span 300 MHz Cor!