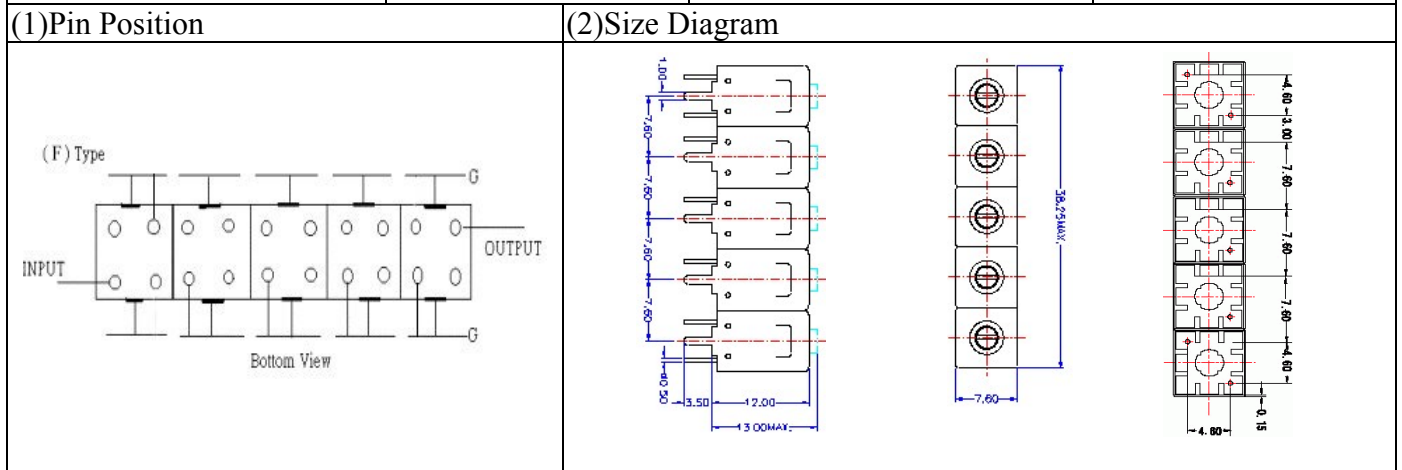


# VHF UHF Helical Filter Specification Sheet

|                      |             |                       |                  |
|----------------------|-------------|-----------------------|------------------|
| Customer Name        |             | Temwell's Part No.    | TV70555F-859.5M  |
| Approval No. /dated  | 201105078CD | Temwell's Print Name. | 70555F<br>859.5M |
| Work Instruction No. | 201105078CD | Date                  | Jun.09.2011      |



(3) Electric Character

| Item                         | Specify         | Performance     |        |
|------------------------------|-----------------|-----------------|--------|
| Center Freq.(Fo ) +/- 0.5 %  | 859.5 MHz       | 859.5 MHz       |        |
| Insertion Loss               | Typ. 5.0 dB     | 3.85 dB         |        |
| -3 dB Bandwidth              | Typ. 17 MHz     | 30.7 MHz        |        |
| Sensitivity<br>(Attenuation) | Fo - 50 MHz     | Typ. 64 dBc     | 66 dBc |
|                              | Fo + 50 MHz     | Typ. 45 dBc     | 49 dBc |
|                              | Fo - ( )MHz     | Typ. dBc        | dBc    |
|                              | Fo +( )MHz      | Typ. dBc        | dBc    |
| Return Loss                  | Min. 12 dB      | 18.5 dB         |        |
| Ripple                       | < 1 dB          | dB              |        |
| Impedance                    | In / Out : 50 Ω | In / Out : 50 Ω |        |

(4) Torque for Tuning Screw

> 60gf · cm

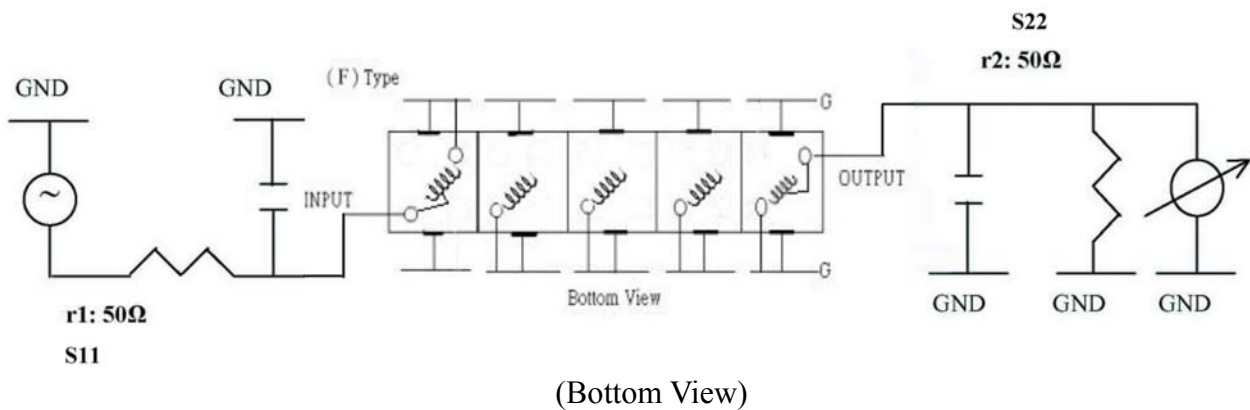
(5) Temperature Condition:

|                       |               |
|-----------------------|---------------|
| Operating Temperature | 0°C ~ +60°C   |
| Storage Temperature   | -20°C ~ +70°C |

(6) Input Power

> 1Watt

(7) Measuring Circuit: ※Easy to match Impedance S11/S22 50Ω/75Ω by parallel with about( -- ) / ( -- ).



|           |            |          |  |
|-----------|------------|----------|--|
| Approval  | Supervisor | Designer | Aperture size                            |
| C.Y.Chang | C.K.Chang  | F.L.Lai  | 7H5S(4*6.35)(6.40)<br>7H046LB4.3 聚 3(J1) |

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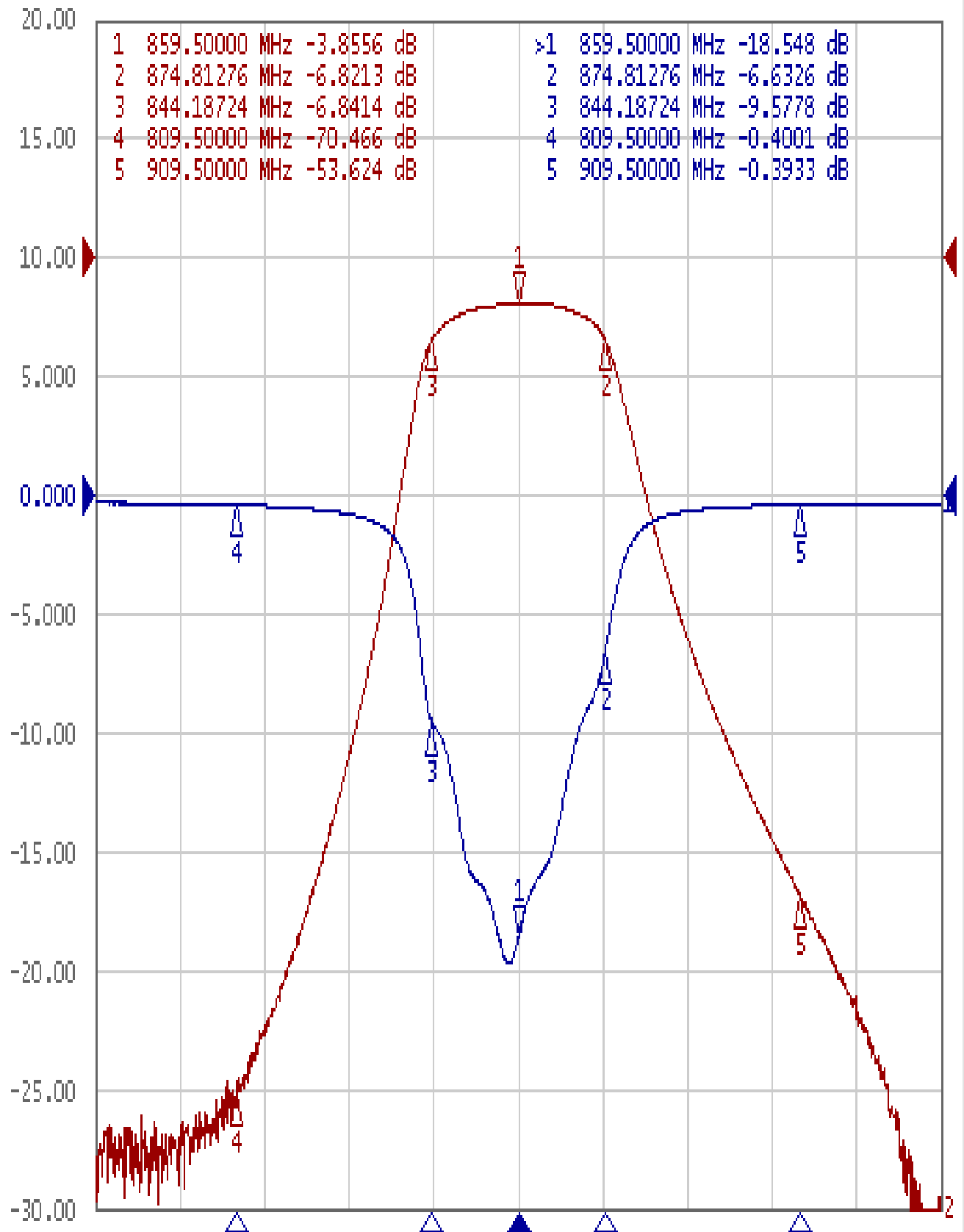
Form10-7H5F Vision D (F.L.L)

# Performance-TV70555F-859.5M

## 201105078CD

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

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



1 Center 859.5 MHz

IFBW 10 kHz

Span 150 MHz

Cor !