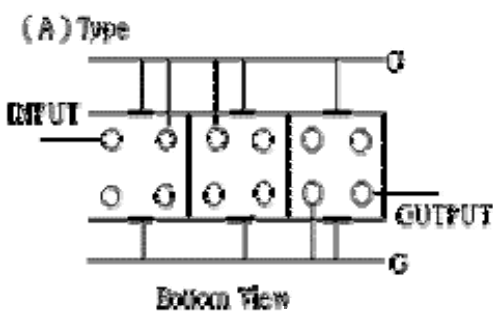
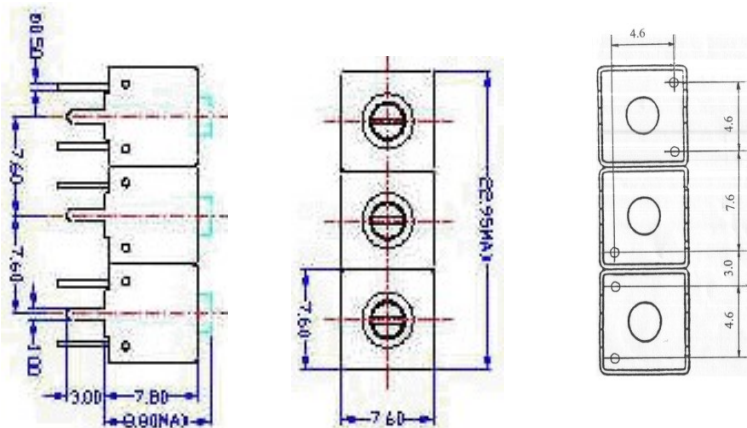


# VHF UHF Helical Filter Specification Sheet

|                      |            |                              |                |
|----------------------|------------|------------------------------|----------------|
| Customer Name        |            | Temwell's Part No.           | TTS3242A-1075M |
| Approval No. /dated  | 20201034DC | Acceptable Specify Fo. Range | 1101~1180MHz   |
| Work Instruction No. | 20201034DC | Date                         | 2002.01.21.    |

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

(3)Electric Character

| Item                         | Specify         | Performance     |        |
|------------------------------|-----------------|-----------------|--------|
| Center Freq.(Fo ) +/- 0.5 %  | 1075 MHz        | 1075 MHz        |        |
| Tunable Range                | 1075 ±10 MHz    | 1075 ±10 MHz    |        |
| Insertion Loss               | Typ. 3.5 dB     | 2.4 dB          |        |
| -3 dB Bandwidth              | Typ. 61 MHz     | 67 MHz          |        |
| Sensitivity<br>(Attenuation) | Fo - 100 MHz    | Typ. 28 dBc     | 31 dBc |
|                              | Fo + 100 MHz    | Typ. 18 dBc     | 21 dBc |
|                              | Fo - ( )MHz     | Typ. dBc        | dBc    |
|                              | Fo +( )MHz      | Typ. dBc        | dBc    |
| Return Loss                  | Min. 12 dB      | 33.0 dB         |        |
| Ripple                       | < 1 dB          | dB              |        |
| Impedance                    | In / Out : 50 Ω | In / Out : 50 Ω |        |

(4)Torque for Tuning Screw > 100gf · cm

(5)Temperature Condition:

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

(6)Input Power > 1Watt

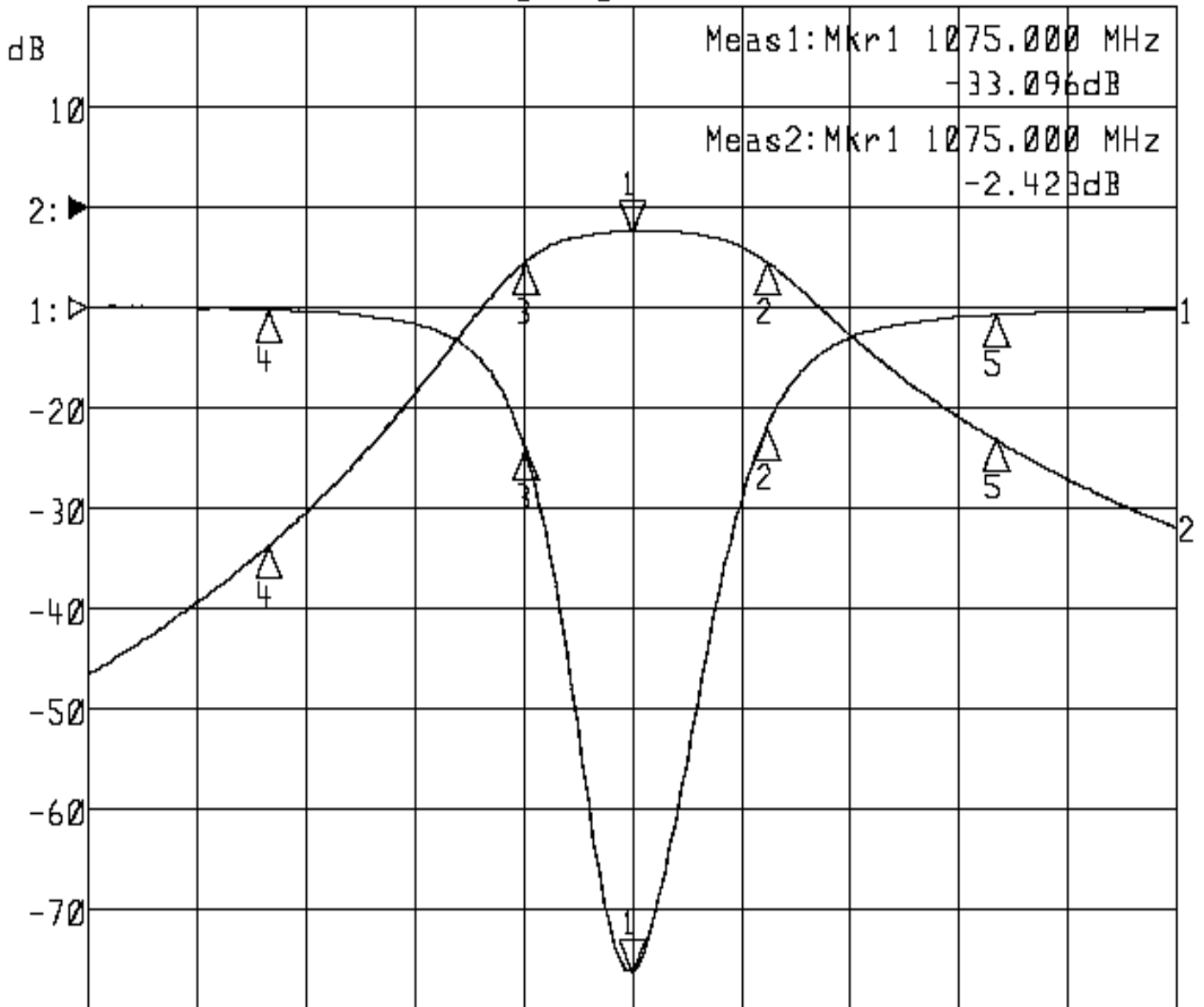
|           |            |           |                         |
|-----------|------------|-----------|-------------------------|
| Approval  | Supervisor | Designer  | Aperture size           |
| C.Y.Chang | C.S.Chang  | C.S.Chang | 7S3S(4*5.2)<br>7S046LB6 |

TEMWELL CORPORATION

# Performance-TTS3242A-1075M

20201034DC

▶1:S11 Refl Port1 Log Mag 5.0 dB/ Ref 0.00 dB C  
▶2:S21 Fwd Trans Log Mag 10.0 dB/ Ref 0.00 dB C



Center 1 075.000 MHz

Span 300.000 MHz

| 1:Mkr (MHz)  | dB      | 2:Mkr (MHz)  | dB      |
|--------------|---------|--------------|---------|
| 1> 1075.0000 | -33.096 | 1> 1075.0000 | -2.423  |
| 2: 1112.0000 | -5.996  | 2: 1112.0000 | -5.402  |
| 3: 1045.5000 | -7.029  | 3: 1045.5000 | -5.463  |
| 4: 975.0000  | -0.103  | 4: 975.0000  | -33.698 |
| 5: 1175.0000 | -0.356  | 5: 1175.0000 | -23.109 |