



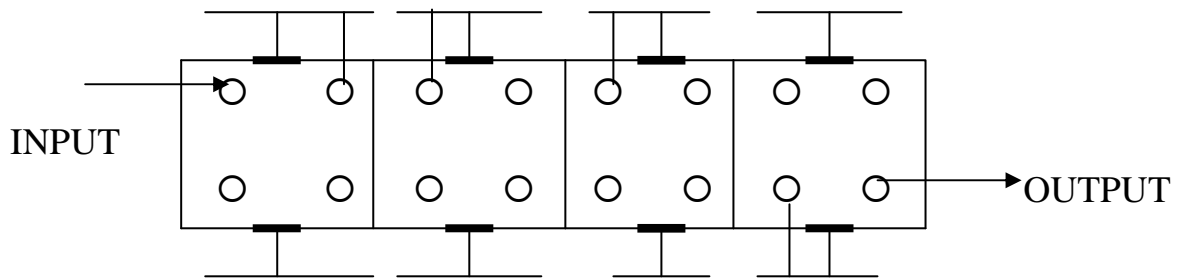
Custom Made UHF Filter & Duplexer

# Helical Filter Specification Sheet

Issued Dated :

|   |            |   |                       |
|---|------------|---|-----------------------|
| Customer Name                             |            | <b>Temwell's Part No.</b>                     | <b>TFL69535A-705M</b> |
| Approval No. /dated                       | 20208030DC | Customer's Part No.                           |                       |
| Work Instruction No.                      | 20208030DC | Date  | 2002.08.19            |
| <input type="checkbox"/> Buyer Print name |            | <input type="checkbox"/> Temwell,s print name |                       |
| Case Name                                 | 7H4S       | Case size : ( mm)                             |                       |
| Terminator Type                           | A          |   |                       |

\* Pin Position (Pin Connection) diagram as following  
( A ) Type



(Bottom View )

(3) Electric Character

| Item                          | Specify         | Performance     |        |
|-------------------------------|-----------------|-----------------|--------|
| Center Freq.(Fo ) +/- 0.5 %   | 705 MHz         | 705 MHz         |        |
| Insertion Loss                | Typ . 3.0 dB    | 1.9 dB          |        |
| -1 dB Bandwidth               | Typ. 40 MHz     | 43 MHz          |        |
| -3 dB Bandwidth               | Typ. 45 MHz     | 48 MHz          |        |
| Sensitivity<br>(Attenuation ) | Fo - 70 MHz     | Typ. 43 dBc     | 46 dBc |
|                               | Fo + 70 MHz     | Typ. 26 dBc     | 29 dBc |
|                               | Fo - ( )MHz     | Typ. dBc        | dBc    |
|                               | Fo +( )MHz      | Typ. dBc        | dBc    |
| Return Loss                   | Min. 12 dB      | 34.5 dB         |        |
| Ripple                        | < 1 dB          | dB              |        |
| Impedance                     | In / Out : 75 Ω | In / Out : 75 Ω |        |

|           |            |           |                        |
|-----------|------------|-----------|------------------------|
| Approval  | Supervisor | Designer  | Aperture size          |
| C.S.Chang | C.S.Chang  | C.S.Chang | 7H4S.4*6.5<br>7H046LB5 |

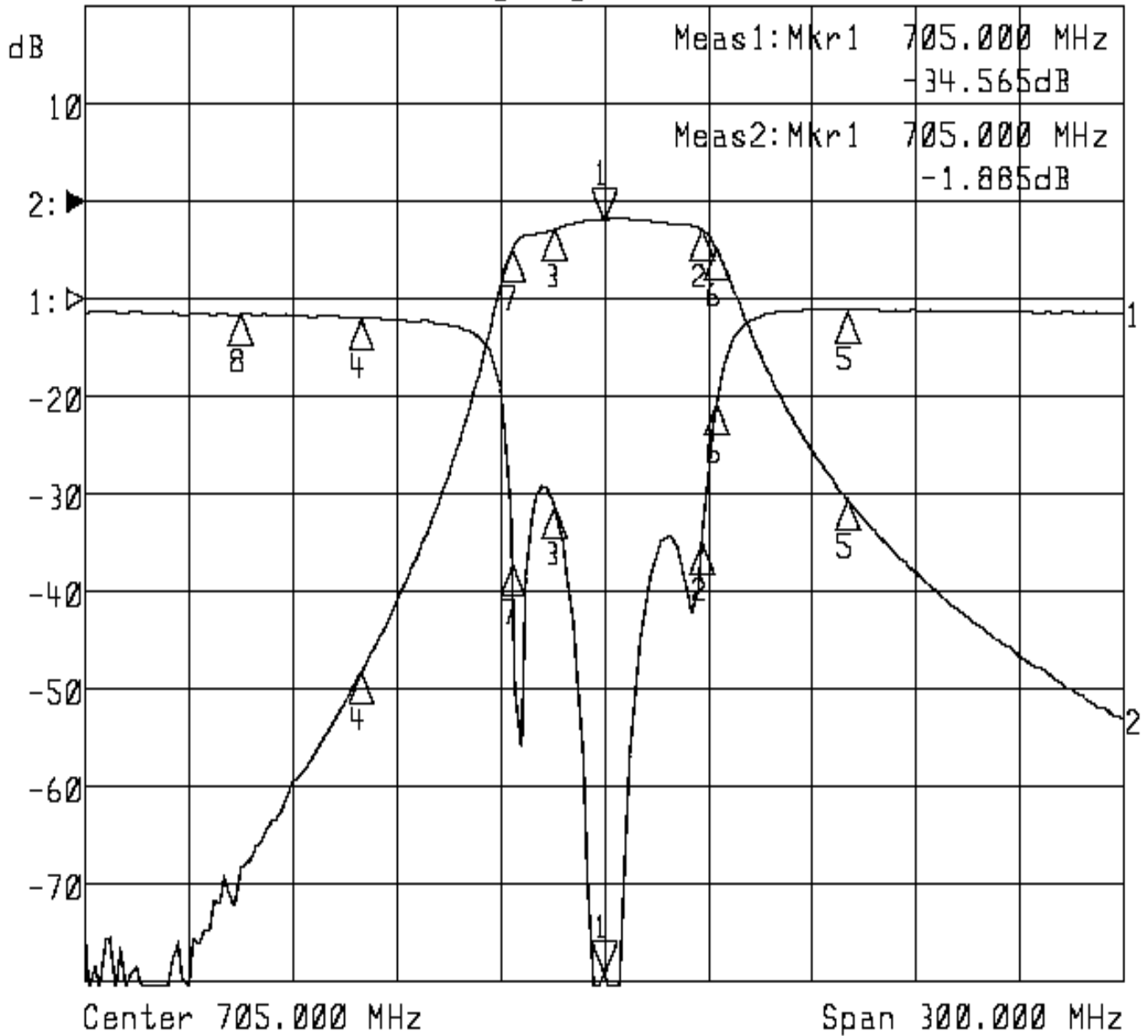
**TEMWELL CORPORATION**

(Form7h3aspecsheet )

# Performance-TFL69535A-705M

## 20208030DC

▶1:S11 Refl Port1 Log Mag 5.0 dB/ Ref 0.00 dB C?  
 ▶2:S12 Rev Trans Log Mag 10.0 dB/ Ref 0.00 dB C?



| 1:Mkr (MHz) |          | dB      | 2:Mkr (MHz) |          | dB      |
|-------------|----------|---------|-------------|----------|---------|
| 1>          | 705.0000 | -34.565 | 1>          | 705.0000 | -1.885  |
| 2:          | 733.2000 | -12.476 | 2:          | 733.2000 | -2.846  |
| 3:          | 690.6333 | -10.665 | 3:          | 690.6333 | -2.860  |
| 4:          | 635.0000 | -0.957  | 4:          | 635.0000 | -48.226 |
| 5:          | 775.0000 | -0.578  | 5:          | 775.0000 | -30.470 |
| 6:          | 737.5000 | -5.333  | 6:          | 737.5000 | -4.851  |
| 7:          | 678.4667 | -13.641 | 7:          | 678.4667 | -4.888  |
| 8:          | 600.0000 | -0.796  |             |          |         |