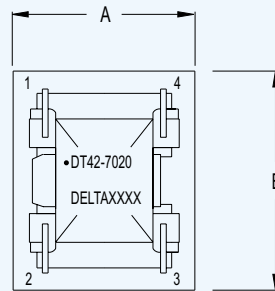


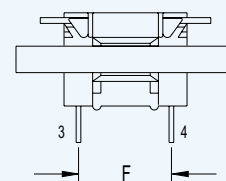
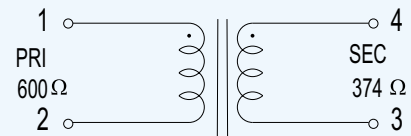
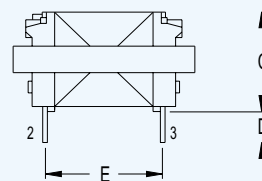


# Telecommunication MODEM Transformer Transformers

## DT42-7020



XXXX: DATE CODE  
BLACK DOT ON PIN 1



DIMENSIONS IN mm

| A         | B         | C         | D         | E          | F          | G |
|-----------|-----------|-----------|-----------|------------|------------|---|
| 24.0 MAX. | 26.0 MAX. | 12.0 MAX. | 4.0 ± 0.5 | 14.0 ± 0.2 | 11.4 ± 0.2 |   |

### ELECTRICAL CHARACTERISTICS

|                           |                                                   |
|---------------------------|---------------------------------------------------|
| URNS RATIO                | 1:1 ± 2% @ 1KHz, 1V                               |
| INDUCTANCE                | 12H Min. @ 200Hz, 1V PARALLEL                     |
| D.C. RESISTANCE           | PRI: 108 Ω ± 10%<br>SEC: 120 Ω ± 10%              |
| INSERTION LOSS            | 2.0 ± 0.25 dB                                     |
| FREQUENCY RESPONSE        | ± 0.2 dB @ 150Hz~4KHz                             |
| RETURN LOSS               | 20 dB Min. @ 150Hz~4KHz                           |
| LONGITUDINAL BALANCE      | 60 dB Min. @ 200Hz~1KHz<br>40 dB Min. @ 1KHz~4KHz |
| TOTAL HARMONIC DISTORTION | -82 dB Max. @ 600Hz, -10dBm                       |
| DIELECTRIC STRENGTH       | 1250 VAC, 2 SEC @ PRI TO SEC<br>@ PRI TO CORE     |

**DELTA ELECTRONICS, INC.**

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