Available in Frequencies From 450 MHz to 27 GHz

- Designed to Exceed Military and Space Environmental Requirements
- Compact, Rugged Construction, Excellent Magnetic Shield
- Custom Engineered Solutions Available

### Broadband Coaxial Isolator Capabilities

<table>
<thead>
<tr>
<th>FREQUENCY (GHz)</th>
<th>MODEL NUMBER</th>
<th>ISOLATION (dB) MIN</th>
<th>INS LOSS (dB) MAX</th>
<th>VSWR MAX</th>
<th>OPERATING TEMP°C</th>
<th>PWR HANDLING PK/FWD/REV (W)</th>
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Specifications subject to change without notice.
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<td>0.40</td>
<td>1.15:1</td>
<td>-25 to +85</td>
<td>500 / 65 / 1</td>
<td>J1</td>
</tr>
<tr>
<td>13.000 - 15.000</td>
<td>T130150/DB</td>
<td>23</td>
<td>0.40</td>
<td>1.15:1</td>
<td>-25 to +85</td>
<td>500 / 65 / 1</td>
<td>J1</td>
</tr>
<tr>
<td>15.000 - 18.000</td>
<td>T150180/DD</td>
<td>20</td>
<td>0.50</td>
<td>1.20:1</td>
<td>-25 to +85</td>
<td>500 / 65 / 1</td>
<td>J1</td>
</tr>
<tr>
<td>19.440 - 21.500</td>
<td>T194215/DB</td>
<td>19</td>
<td>0.50</td>
<td>1.25:1</td>
<td>-25 to +85</td>
<td>500 / 65 / 1</td>
<td>J1</td>
</tr>
<tr>
<td>19.700 - 20.200</td>
<td>T197202/DE</td>
<td>21</td>
<td>0.50</td>
<td>1.20:1</td>
<td>-25 to +85</td>
<td>500 / 65 / 1</td>
<td>J1</td>
</tr>
</tbody>
</table>

## Select-A-Frequency Coaxial Isolator Capabilities

Refer to page 50 for Select-A-Frequency Instructions.

<table>
<thead>
<tr>
<th>CENTER FREQUENCY (GHz)</th>
<th>MODEL NUMBER</th>
<th>BANDWIDTH (%)</th>
<th>ISOLATION (dB MIN)</th>
<th>INS LOSS (dB MAX)</th>
<th>VSWR MAX</th>
<th>OPERATING TEMP (°C)</th>
<th>PWR HANDLING PK/FWD/REV (W)</th>
<th>PACKAGE CODE</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.500 - 0.700</td>
<td>T050070/S’D</td>
<td>5%</td>
<td>19</td>
<td>0.50</td>
<td>1.25:1</td>
<td>-20 to +70</td>
<td>1000 / 80 / 1</td>
<td>H1</td>
</tr>
<tr>
<td>0.700 - 1.000</td>
<td>T070010/S’B</td>
<td>5%</td>
<td>20</td>
<td>0.50</td>
<td>1.25:1</td>
<td>-25 to +85</td>
<td>1000 / 80 / 1</td>
<td>H1</td>
</tr>
<tr>
<td>1.000 - 1.300</td>
<td>T1013/S’B</td>
<td>10%</td>
<td>20</td>
<td>0.50</td>
<td>1.25:1</td>
<td>-25 to +85</td>
<td>1000 / 80 / 1</td>
<td>H1</td>
</tr>
<tr>
<td>1.300 - 1.650</td>
<td>T1316/S’C</td>
<td>10%</td>
<td>20</td>
<td>0.50</td>
<td>1.25:1</td>
<td>-25 to +85</td>
<td>1000 / 80 / 1</td>
<td>H1</td>
</tr>
<tr>
<td>1.300 - 1.650</td>
<td>T1316/S’D</td>
<td>10%</td>
<td>20</td>
<td>0.50</td>
<td>1.25:1</td>
<td>-25 to +85</td>
<td>1000 / 80 / 1</td>
<td>I1</td>
</tr>
<tr>
<td>1.650 - 2.000</td>
<td>T1620/S’D</td>
<td>10%</td>
<td>20</td>
<td>0.50</td>
<td>1.25:1</td>
<td>-25 to +85</td>
<td>1000 / 80 / 1</td>
<td>I1</td>
</tr>
<tr>
<td>2.000 - 2.500</td>
<td>T2025/S’D</td>
<td>10%</td>
<td>20</td>
<td>0.50</td>
<td>1.25:1</td>
<td>-25 to +85</td>
<td>500 / 80 / 1</td>
<td>I1</td>
</tr>
<tr>
<td>2.500 - 3.200</td>
<td>T2532/S’B</td>
<td>10%</td>
<td>20</td>
<td>0.50</td>
<td>1.25:1</td>
<td>-25 to +85</td>
<td>500 / 80 / 1</td>
<td>I1</td>
</tr>
<tr>
<td>3.000 - 3.800</td>
<td>T3038/S’B</td>
<td>10%</td>
<td>20</td>
<td>0.50</td>
<td>1.25:1</td>
<td>-25 to +85</td>
<td>500 / 80 / 1</td>
<td>I1</td>
</tr>
<tr>
<td>3.000 - 4.000</td>
<td>T3040/S’B</td>
<td>10%</td>
<td>20</td>
<td>0.50</td>
<td>1.25:1</td>
<td>-25 to +85</td>
<td>500 / 65 / 1</td>
<td>J1</td>
</tr>
<tr>
<td>3.600 - 5.000</td>
<td>T3650/S’B</td>
<td>10%</td>
<td>20</td>
<td>0.50</td>
<td>1.25:1</td>
<td>-25 to +85</td>
<td>500 / 65 / 1</td>
<td>J1</td>
</tr>
<tr>
<td>4.800 - 6.000</td>
<td>T4860/S’B</td>
<td>10%</td>
<td>20</td>
<td>0.50</td>
<td>1.25:1</td>
<td>-25 to +85</td>
<td>500 / 65 / 1</td>
<td>J1</td>
</tr>
<tr>
<td>6.000 - 8.000</td>
<td>T6080/S’B</td>
<td>15%</td>
<td>23</td>
<td>0.50</td>
<td>1.20:1</td>
<td>-25 to +85</td>
<td>500 / 65 / 1</td>
<td>J1</td>
</tr>
<tr>
<td>8.000 - 15.000</td>
<td>T800150/S’B</td>
<td>10%</td>
<td>23</td>
<td>0.50</td>
<td>1.20:1</td>
<td>-25 to +85</td>
<td>500 / 65 / 1</td>
<td>J1</td>
</tr>
<tr>
<td>15.000 - 18.000</td>
<td>T150180/S’B</td>
<td>10%</td>
<td>23</td>
<td>0.50</td>
<td>1.20:1</td>
<td>-25 to +85</td>
<td>500 / 65 / 1</td>
<td>J1</td>
</tr>
</tbody>
</table>
Coaxial Isolators

Coaxial Isolator Package Drawings

G1 - ISOLATOR
DIM = INCH  MASS = 7 oz MAX
2X .18 2X 1.240
2X SMA FEMALE CONN
4X .156 THRU
1.60 2X .33 3X .38 .75
TERMINATION

H1 - ISOLATOR
DIM = INCH  MASS = 2.2 oz MAX
2X .09 2X .820
2X SMA FEMALE CONN
4X .080 THRU
1.00 2X .33 2X .38 .50
TERMINATION

H2 - ISOLATOR
DIM = INCH  MASS = 2.2 oz MAX
2X .09 2X .820
2X SMA FEMALE CONN
4X .080 THRU
1.00 2X .33 2X .38 .50
TERMINATION

I1 - ISOLATOR
DIM = INCH  MASS = 1.3 oz MAX
2X .09 2X .505
2X SMA FEMALE CONN
4X .080 THRU
1.00 2X .33 2X .38 .50
TERMINATION

Specifications subject to change without notice.

TRAK Microwave Corporation
E-Mail: sales@trak.com  •  www.trak.com
Ph: 813-901-7200  •  US Toll Free: 1-888-283-8444
4726 Eisenhower Boulevard  •  Tampa, Florida 33634-6391 USA

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Coaxial Isolators Package Drawings

Coaxial Isolator Package Drawings

J1 - ISOLATOR

DIM = INCH MASS = .67 oz MAX

L1 - ISOLATOR

DIM = INCH MASS = 4.6 oz MAX

K - ISOLATOR

DIM = INCH MASS = .6 oz MAX

Specifications subject to change without notice.

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