FEATURES

- Field Removable Connectors for Drop-In Assembly
- High Isolation Models Available
- Wideband Performance
- Option for Integral Driver

APPLICATIONS

- Communications Systems
- EW Systems
- Test Equipment
- Electronic Simulators
- Modulators

ENVIRONMENTAL RATINGS

Max Input Power: 1 W Average
Operating Temperature Range: -55°C to +125°C
Storage Temperature Range: -65°C to +125°C

Specifications: (@ +25°C, 0 dBm)

<table>
<thead>
<tr>
<th>MODEL</th>
<th>MAXIMUM INSERTION LOSS (GHz)</th>
<th>MINIMUM ISOLATION (dB)</th>
<th>MAXIMUM VSWR</th>
<th>INTEGRAL WITH DRIVER</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0.5 – 2.0 GHz</td>
<td>2.0 – 8.0 GHz</td>
<td>8.0 – 18 GHz</td>
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<td>S1S0518A4</td>
<td>1.2</td>
<td>1.8</td>
<td>2.5</td>
<td>40</td>
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<tr>
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<td>2.0</td>
<td>3.0</td>
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<td>1.8</td>
<td>2.5</td>
<td>55</td>
</tr>
</tbody>
</table>

NOTES:

1. Typical switching speed: 50 nsec.
2. Isolation ports are reflective
3. Power supply and model control:
   - Unit without driver
     X….No connection
     Y….Bias input:
     -10V for insertion loss
     +60 mA for isolation
     Z….No connection
   - Unit with integral driver
     X….+5 ± 0.2 V DC, 100 mA nominal
     Y….TTL control input:
     “Low” for insertion loss
     “High” for isolation
     Z….-15 ± -0.5V DC, 100 mA nominal