BROADBAND PIN-SCHOTTKY DIODE
LIMITERS SERIES KSL (PASSIVE)
500 MHz-18 GHz

Power Handling: 1 Watt CW and 100 Watts Peak
(1 µsec Pulse Width, 0.1% Duty Cycle,
Derated to 20% @ 125°C)
Internal DC Block
200 µsec Recovery Time
Limiting Threshold above +6 dBm Typical

ENVIRONMENTAL RATINGS
Operating Temperature Range: -55 to +90°C
Storage Temperature Range: -65 to +125°C
Shock: 50 G, 11 msec
Vibration: 20 G, 100 to 2000 Hz
Specification @ 25°C and -10 dBm Input Power

<table>
<thead>
<tr>
<th>MODEL</th>
<th>FREQUENCY RANGE (GHz)</th>
<th>INSERTION LOSS (dB)</th>
<th>VSWR (TYPICAL)</th>
<th>MAXIMUM LEAKAGE POWER (dBm)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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<tr>
<td>KSL0520</td>
<td>0.5 - 2.0</td>
<td>0.6</td>
<td>1.50</td>
<td>+20.0</td>
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<td>KSL0140</td>
<td>0.5 - 4.0</td>
<td>0.8</td>
<td>1.50</td>
<td>+20.0</td>
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<td>2.0 - 18.0</td>
<td>2.5</td>
<td>2.20</td>
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<td>KSL6018</td>
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<td>KSL8018</td>
<td>8.0 - 18.0</td>
<td>2.5</td>
<td>2.20</td>
<td>+19.0</td>
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</table>

FEATURES

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