PIN Diode
Modulators/Attenuators

- Integral Drivers
- 0.5 to 18 GHz
- Low VSWR
- Exceptional Linearity
- 60 dB attenuation range
- Low Insertion Loss

The Series D195 family of fast, linear, absorptive modulators with integral drivers are current controlled PIN diode attenuators which provide high performance at low cost. Their characteristics make them ideally suited for a wide range of applications including level setting, amplitude modulation, pulse modulation and high speed switching.

0.5 to 18 GHz Frequency Range is provided by eight (8) Models

- D1950 ......... 0.5-1 GHz
- D1951 ......... 1- 2 GHz
- D1952 ......... 2- 4 GHz
- D1953 ......... 3- 6 GHz
- D1954 ......... 4- 8 GHz
- D1955 ......... 5- 10 GHz
- D1956 ......... 6-12 GHz
- D1958 ......... 8-18 GHz

Most models are capable of extended bandwidth operation. Typically 3:1, with only moderate degradation in performance at the band edges.

Shown is actual attenuation vs. frequency data on Model D1958. Note the exceptional flatness. Published flatness specifications from 8-18 GHz shown at right.

D1958 specifications:
FLATNESS (±dB) 8-18 GHz

<table>
<thead>
<tr>
<th>10 dB</th>
<th>20 dB</th>
<th>40 dB</th>
<th>60 dB</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.7</td>
<td>1.0</td>
<td>1.5</td>
<td>1.6</td>
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</table>

For complete information on these and our other models, request our new Full Line Catalog. Call, write or circle the reader service number.

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