

PIN Diode

Modulators/Attenuators

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

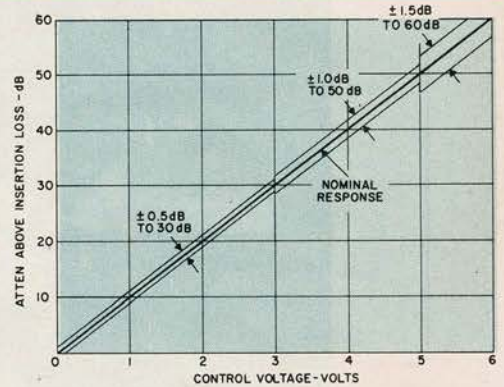
The Series D195 family of fast, linear, absorptive modulators with integral drivers are current controlled PIN diode attenuators which provide high performance at low cost. Their characteristics make them ideally suited for a wide range of applications including level setting, amplitude modulation, pulse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



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

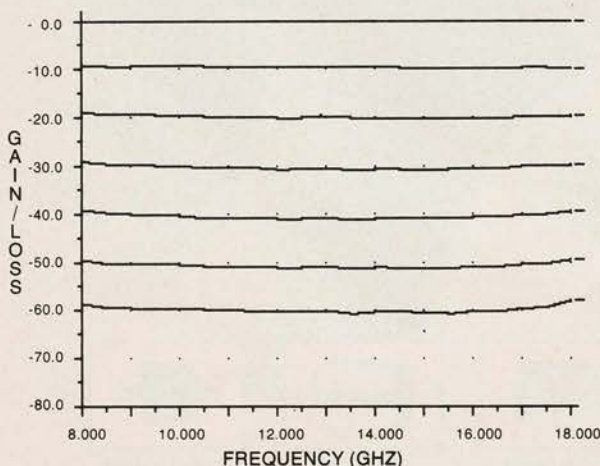
D1950.....0.5-1 GHz	D1954.....4- 8 GHz
D1951.....1- 2 GHz	D1955.....5-10 GHz
D1952.....2- 4 GHz	D1956.....6-12 GHz
D1953.....3- 6 GHz	D1958.....8-18 GHz

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



Linearity Curve: 10 dB per Volt Nominal Transfer Characteristic. Envelope of Typical Deviation is shown.

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 (\pm dB) 8-18 GHz

10 dB	20 dB	40 dB	60 dB
0.7	1.0	1.5	1.6

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



GENERAL MICROWAVE

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