

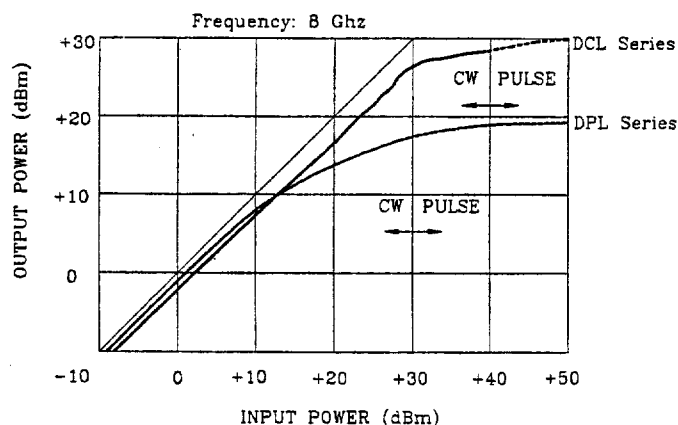
PIN-PIN Diode Limiters

PASSIVE PIN DIODE LIMITERS

DPL Series

0.5 to 18 GHz

- ◆ 1 Watt CW and 100 Watt Peak (1 μ sec) power handling
0.1% duty cycle, derated to 20% at +125°C
- ◆ Low Insertion Loss
- ◆ Low VSWR
- ◆ Fast Response Time
- ◆ Internal DC Return
- ◆ Limiting Threshold above +9 dBm typical
- ◆ Coaxial, Drop-In or Replaceable Connectors



HIGHER THRESHOLD LIMITERS

DCL Series

0.5 to 18 GHz

- ◆ 5 Watt CW and 500 Watt Peak (1 μ sec) power handling
0.1% duty cycle, derated to 20% at +125°C
- ◆ Limiting Threshold above +20 dBm typical
- ◆ Other Features Same as DPL Series Above

Specification @ +25°C

Operating Temperature Range = -55°C to +125°C

Storage Temperature Range = -65°C to +150°C

DPL Series

FREQUENCY (GHz)	MODEL NO.	INSERTION LOSS ¹ (max. dB)	VSWR ¹ (max.)	LEAKAGE @ 1W CW INPUT (max. dBm)	PACKAGE STYLES AVAILABLE ²
0.5 - 1.0	DPL0510	0.4	1.4:1	+19.0	M2,M3,R2,D
0.5 - 2.0	DPL0520	0.5	1.4:1	+19.0	M2,M3,R2,D
1.0 - 2.0	DPL1020	0.4	1.4:1	+19.0	M2,M3,R2,D
2.0 - 4.0	DPL2040	0.5	1.5:1	+18.5	M2,M3,R2,D
2.0 - 8.0	DPL2080	1.2	1.6:1	+16.0	M1,M2,R1,R2,D
2.0 - 18.0	DPL2018	2.5	2.2:1	+18.0	M1,M2,R1,R2,D
4.0 - 8.0	DPL4080	1.2	1.5:1	+16.0	M1,M2,R1,R2,D
6.0 - 18.0	DPL6018	2.2	2.0:1	+16.0	M1,M2,R1,R2,D
7.0 - 12.0	DPL7012	1.5	1.8:1	+16.0	M1,M2,R1,R2,D
8.0 - 16.0	DPL8016	1.6	1.8:1	+16.0	M1,M2,R1,R2,D
11.0 - 18.0	DPL1118	1.8	2.0:1	+16.0	M1,M2,R1,R2,D

DCL Series

0.5 - 2.0	DCL0520	0.8	1.7:1	+29.0	M2,M3,R2,D
2.0 - 4.0	DCL2040	0.8	1.7:1	+27.0	M2,M3,R2,D
4.0 - 8.0	DCL4080	1.5	1.8:1	+27.0	M2,M3,R2,D
8.0 - 18.0	DCL8018	2.0	2.0:1	+27.0	M2,M3,R2,D

¹ Insertion Loss and VSWR are measured at -10 dBm.

² To indicate package style, add it to the end of the model number. See page 7 for package style specifications.
(i.e. DPL2018M2 - Package Style "M2")