

NJ.
SEMI-
CONDUCTOR.

Rectifiers



ELECTRICAL CHARACTERISTICS:

Maximum Average Forward Current, Single Phase Half
Wave DC Rating at 126° C. Case Temperature 16 amperes

Maximum Surge Current
(one cycle of 60 CPS sine wave) 200 amperes

Peak Forward Voltage
at 30 Amps (25° C. Case Temp.) 1.3 Volts Maximum

Rated Peak Reverse Voltage Range 50 to 1600 Volts

Maximum *FCA Reverse Current
at 150° C. Case Temperature 1.0 Milliamps

Maximum Operating Frequency 100,000 CPS

Maximum I²t (less than 8 ms) 165 Amps² - Second

Reverse Power Rating 0.16 Joules

*FCA = Full Cycle Average (measured with a DC meter)

MECHANICAL CHARACTERISTICS:

Base Steel stud and base with a #10-32 UNF-2A
thread for through mounting on a heat sink.
Nickel plating produces low contact resistance
and prevents corrosion.

Header Glass to metal construction. Hermetically sealed to base.

Weight Approximately 0.16 ounces

Mounting Position May be mounted in any position

Mounting Torque 30 inch pounds maximum

Dimensions In accordance with JEDEC DO-4 Outline

Ratings

JEDEC Numbers	Catalog Number Polarity		Peak Reverse Voltage
	Standard	Reverse	
1N1341, 1N1341A, 1N1341B, 1N1581, 1N1612, 1N2228, 1N2491	ALL	ALL	50
1N1342, 1N1342A, 1N1342B, 1N1582, 1N1613, 1N2492			100
1N1343, 1N1343A, 1N1343B			150
1N1124, 1N1344, 1N1344A, 1N1344B, 1N1583, 1N1614, 1N2230, 1N2493			200
			250
1N1125, 1N1345, 1N1345A, 1N1345B, 1N1584, 1N2232, 1N2494			300
			350
1N1126, 1N1346, 1N1346A, 1N1346B, 1N1585, 1N1615, 1N2234, 1N2495			400
			450
1N1127, 1N1347, 1N1347A, 1N1347B, 1N1586, 1N2236, 1N2496			500
1N1128, 1N1348, 1N1348A, 1N1348B, 1N1587, 1N1616, 1N2238, 1N2497			600
			700
1N2240			800
			900
			1000

