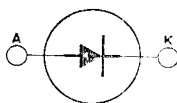


GERMANIUM RECTIFIER

1N56A

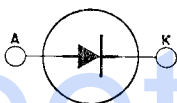
Point-contact type used in low-power applications. Maximum ratings: peak reverse volts, 40; average forward ma, 60; ambient-temperature range, -50 to 75°C . Maximum over-all length (including leads), $4\frac{1}{8}$ inches; maximum diameter, $\frac{1}{4}$ inch. This is a DISCONTINUED type listed for reference only.



GERMANIUM RECTIFIER

1N58A

Point-contact type used in large-signal power applications such as computer and clamping circuits. Maximum ratings: peak reverse volts, 100; average forward ma, 50; ambient-temperature range -50 to 75°C . Maximum over-all length (including leads), $4\frac{1}{8}$ inches; maximum diameter, $\frac{1}{4}$ inch. This is a DISCONTINUED type listed for reference only.



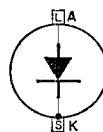
SILICON RECTIFIERS

1N248A

1N248B

1N248C

Hermetically sealed 20-ampere types used in generator-type power supplies in mobile equipment; dc-to-dc converters and battery chargers; power supplies for aircraft, marine, and missile equipment; transmitters,



rf generators, and dc-motor power supplies; machine-tool controls; welding and electroplating equipment; dc-blocking service; magnetic amplifiers; and a wide variety of other heavy-duty applications. These types are designed to meet stringent environmental and mechanical specifications. The special copper-alloy mounting stud can withstand an installing torque up to 50 inch-pounds. JEDEC No. DO-5 package; outline 3, Outlines Section. Types 1N248A and 1N248B are used principally for renewal purposes; they are similar to type 1N248C except for some slightly lower ratings, and can be directly replaced by type 1N248C. Type 1N248C is identical with type 1N1198A except for the following items:

MAXIMUM RATINGS

For power-supply frequency of 60 cps, single-phase operation, with resistive or inductive load

PEAK REVERSE VOLTAGE.....	55 max	volts
RMS SUPPLY VOLTAGE.....	39 max	volts
DC BLOCKING VOLTAGE.....	50 max	volts

CHARACTERISTICS

Maximum Reverse Current:

Dynamic*	3.8	ma
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* Average value for one complete cycle at maximum peak reverse voltage, maximum average forward current, and case temperature = 150°C .

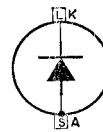
SILICON RECTIFIERS

1N248RA

1N248RB

1N248RC

Hermetically sealed 20-ampere types used in generator-type power supplies in mobile equipment; dc-to-dc converters and battery chargers; power supplies for aircraft, marine, and missile equipment; transmitters,



rf generators, and dc-motor power supplies; machine-tool controls; welding and