

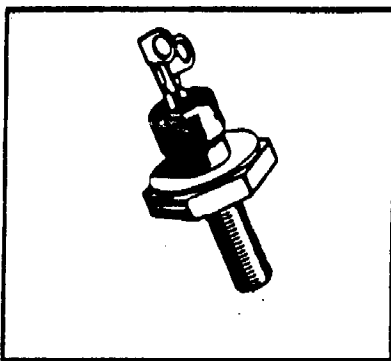
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**2N4199
 thru
 2N4204**

**Silicon Controlled Rectifiers
 Reverse Blocking Triode Thyristor**



**SCRs
 100 AMPERE PULSE
 300 thru 800 VOLTS**

MAXIMUM RATINGS

Rating	Symbol	Value	Unit
Peak Reverse Blocking Voltage (1) ($T_J = 105^\circ\text{C}$)	VRRM	50	Volts
*Peak Forward Blocking Voltage (1) ($T_C = 105^\circ\text{C}$)	VORM	300 400 500 600 700 800	Volts
Repetitive Peak On-State Current ($PW = 3 \mu\text{s}$, Duty Cycle = 0.6%, $T_C = 85^\circ\text{C}$)	ITRM	100	Amps
Continuous On-State Current ($T_C = 65^\circ\text{C}$)	IT	5	Amps
Current Application Rate (2)	di/dt	5000	A/ μs
Peak Forward Gate Power	PGFM	20	Watts
Average Forward Gate Power	PGF(AV)	1	Watt
Peak Forward Gate Current	IGFM	5	Amps
Peak Gate Voltage — Forward Reverse (3)	VGFM VGRM	10 10	Volts
Operating Junction Temperature Range Blocking State Conducting State	TJ	-65 to +105 -65 to +200	$^\circ\text{C}$
Storage Temperature Range	Tstg	-65 to +200	$^\circ\text{C}$
Stud Torque	—	15	In. lb.



NJ Semi-Conductors reserves the right to change test conditions, parameter limits and package dimensions without notice. Information furnished by NJ Semi-Conductors is believed to be both accurate and reliable at the time of going to press. However, NJ Semi-Conductors assumes no responsibility for any errors or omissions discovered in its use. NJ Semi-Conductors encourages customers to verify that datasheets are current before placing orders.

Quality Semi-Conductors