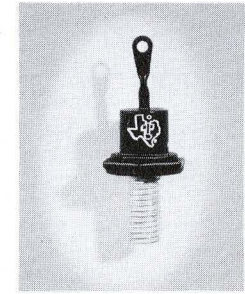




1N1124, 1N1125, 1N1126, 1N1127, 1N1128
BULLETIN NO. DL-S 782, APRIL, 1958

3 AMPERES • 200 to 600 VOLTS PIV

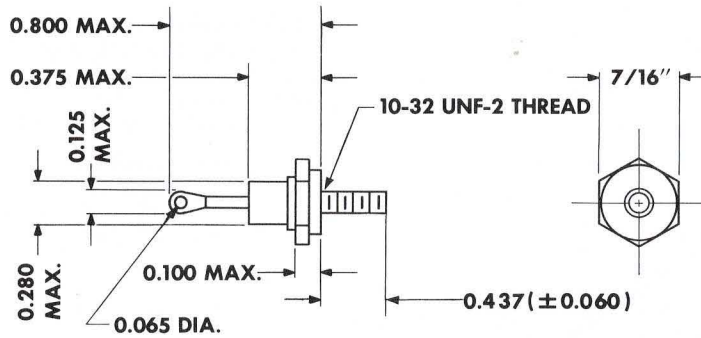
- All welded construction**
- Ruggedized to meet stringent military requirements**
- High forward conductance**
- Designed for all medium power applications**
- Available with anode to stud or cathode to stud**



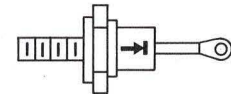
ACTUAL SIZE

mechanical data

Welded case with glass-to-metal hermetic seal between case and anode lead. Approximate weight is 4.36 grams.

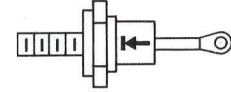


ANODE TO STUD



1N1124R — 1N1128R

CATHODE TO STUD



1N1124 — 1N1128

maximum ratings

- Peak Inverse Voltage at -65° to $+150^{\circ}\text{C}$
- *Average Rectified Forward Current at $+50^{\circ}\text{C}$
- *Average Rectified Forward Current at $+150^{\circ}\text{C}$
- *Recurrent Peak Forward Current at $+50^{\circ}\text{C}$
- Surge Current, 1 Cycle at 60 Cycles at $+50^{\circ}\text{C}$
- Operating Temperature, Ambient
- Altitude

	1N1124	1N1125	1N1126	1N1127	1N1128	unit
PIV	200	300	400	500	600	Volt
I_O	3	3	3	3	3	Amp
I_O	1	1	1	1	1	Amp
i_I	10	10	10	10	10	Amp
i_{pk}	25	25	25	25	25	Amp
T_A	-65 to +150					$^{\circ}\text{C}$
	70,000					ft

Anode-to-stud units denoted by "R" suffix to type number.

specifications

- *† Max. Full Cycle Avg. Reverse Current at $+150^{\circ}\text{C}$
- Max. Reverse Current at PIV at $+25^{\circ}\text{C}$
- Max. Forward Voltage Drop at $I_b = 1$ Amp at $+25^{\circ}\text{C}$

	1N1124	1N1125	1N1126	1N1127	1N1128	unit
I_{rb}	0.3	0.3	0.3	0.3	0.3	mA
I_{rb}	10	10	10	10	10	μA
E_b	1.1	1.1	1.1	1.1	1.1	Volt

* Rectifier mounted on 2" x 2" Heat Sink, 1/16" aluminum.

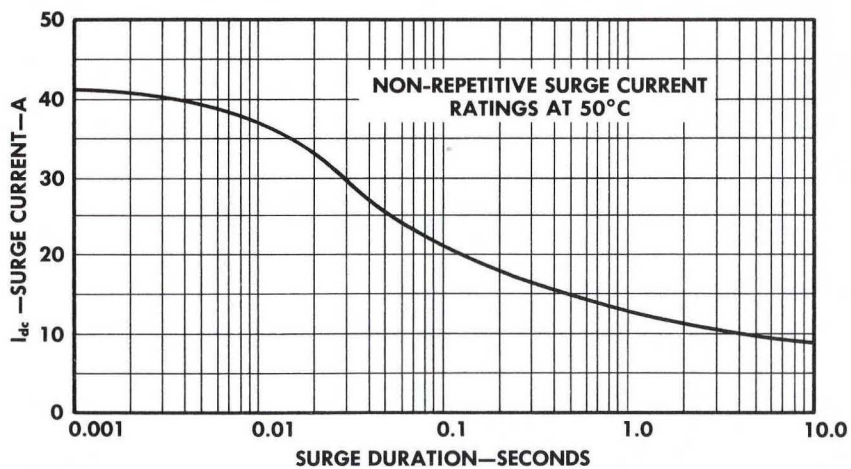
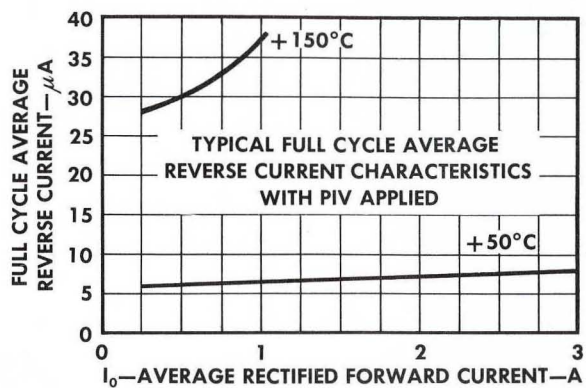
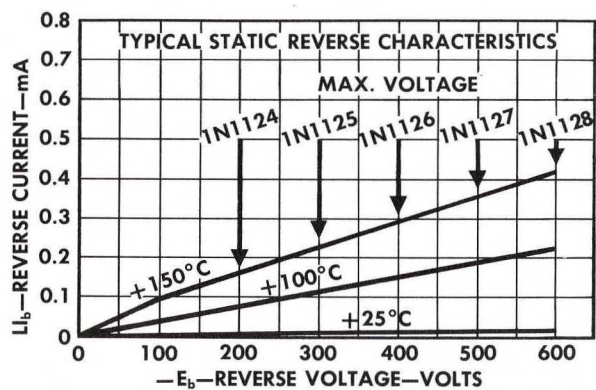
† Measured under operating conditions for the full cycle average with resistive or inductive load at $T_A = 150^{\circ}\text{C}$, $I_O = 1$ Amp, $E_{pp} = 0.707$ PIV @ 60 cps.

LICENSED UNDER BELL SYSTEM PATENTS

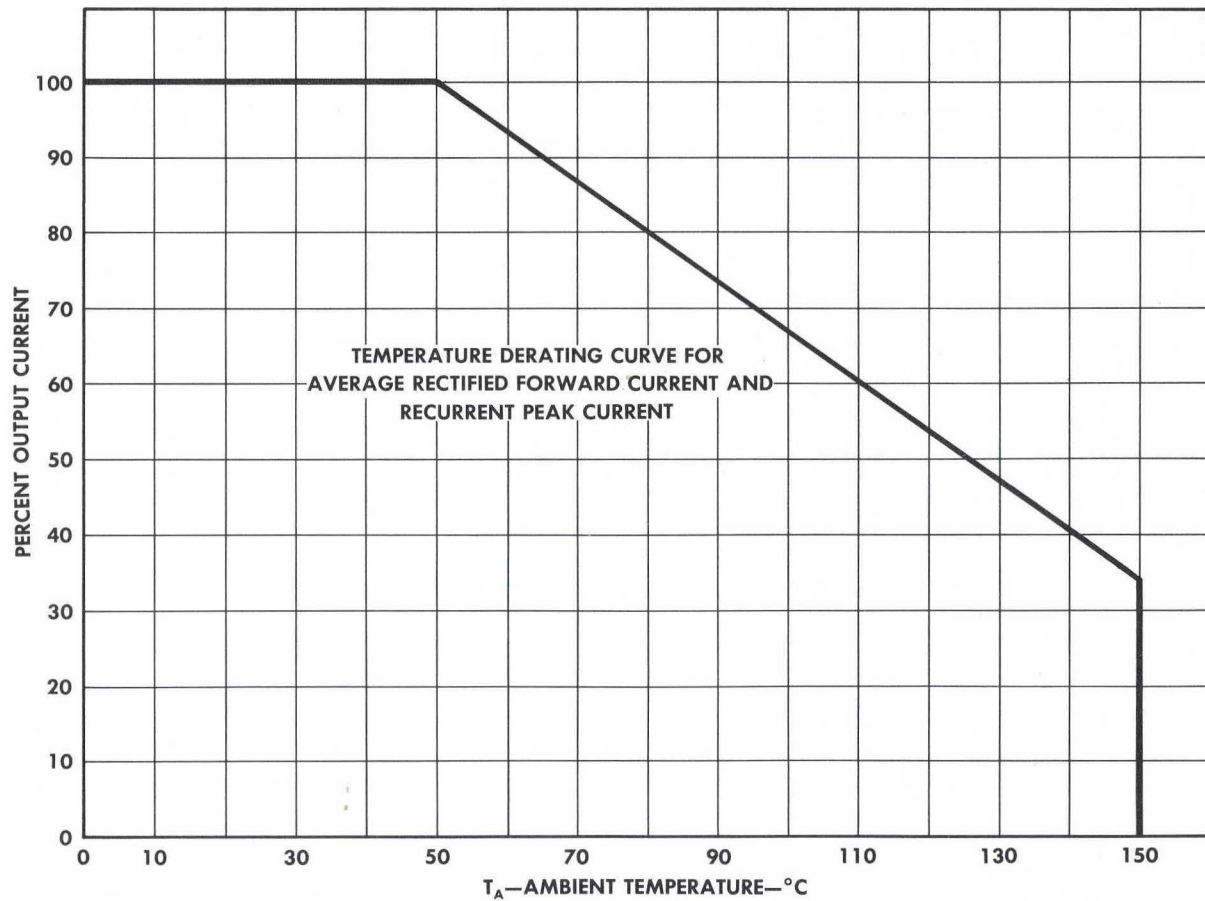
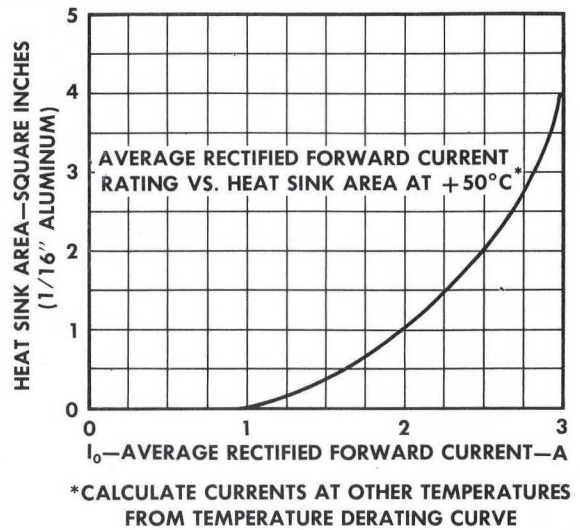
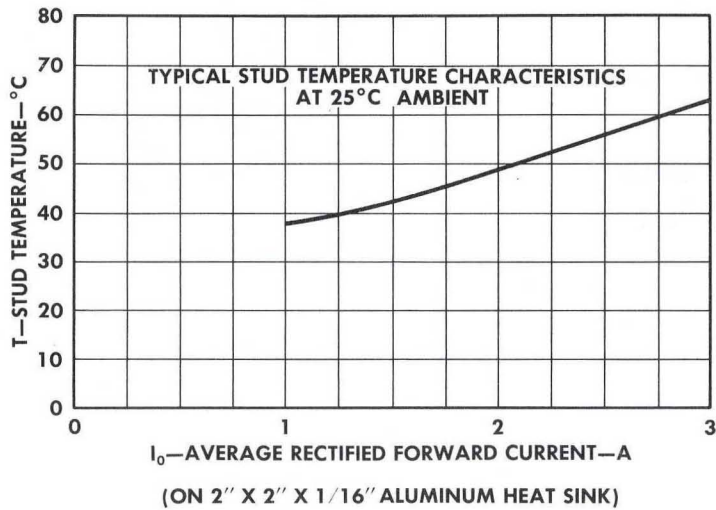
SEMICONDUCTOR-COMPONENTS DIVISION

TEXAS INSTRUMENTS
INCORPORATED
POST OFFICE BOX 312 • DALLAS, TEXAS

TYPES 1N1124, 1N1125, 1N1126, 1N1127, 1N1128



TYPES 1N1124, 1N1125, 1N1126, 1N1127, 1N1128



TYPES 1N1124, 1N1125, 1N1126, 1N1127, 1N1128

