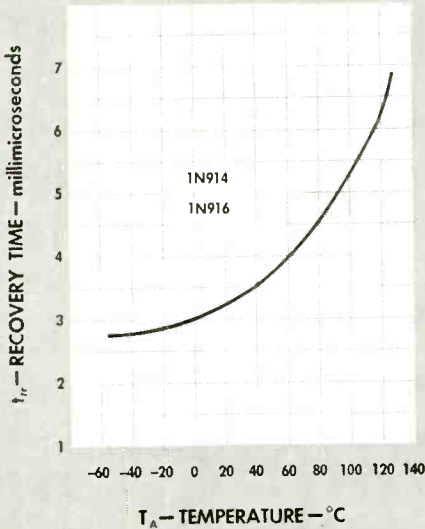


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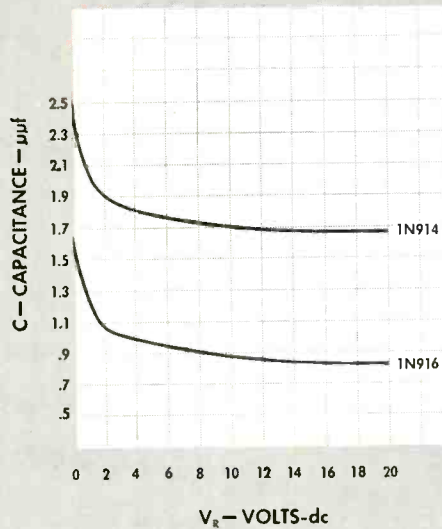
# 4-millimicrosec silicon mesa computer diodes

**...INDUSTRY'S FASTEST!**

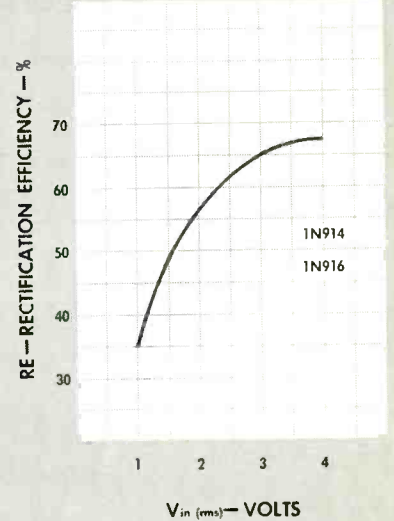
TYPICAL REVERSE RECOVERY TIME VS TEMPERATURE



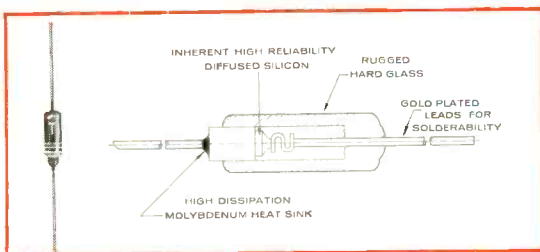
TYPICAL CAPACITANCE VS VOLTAGE



TYPICAL RECTIFICATION EFFICIENCY AT 100 MEGACYCLES VS VOLTAGE



- High maximum average rectified forward current (75 ma)
- Low maximum capacitance (2 µf or 4 µf at zero volts bias)
- High minimum forward conductance (10 ma at 1 v)
- Maximum reliability (TI mesa process, TI hard-glass case)

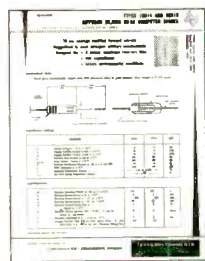


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TI 1N914 and TI 1N916 silicon mesa computer diodes also feature high rectification efficiency (45% at 100 mc), ruggedness and reliability through the combination of the TI mesa process and the TI hard-glass package. Both types meet or exceed MIL-S-19500B, withstanding acceleration of 20,000 G's, shock of 1,000 G's for 1.5 msec, and vibration of 30 G's.

Put them to work NOW in your high-speed computer circuitry for missiles and space vehicles. They are ready in production quantities through your nearest TI sales office, or in 1-999 quantities off-the-shelf at factory prices from your authorized TI distributor.

\*10-ma forward, 6-v reverse, recover to 1-ma reverse



Contact your nearest TI sales office today for complete specifications on the 1N914 and 1N916 (Bulletin DL-S 1203).

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