

GENERAL PURPOSE SILICON RECTIFIER

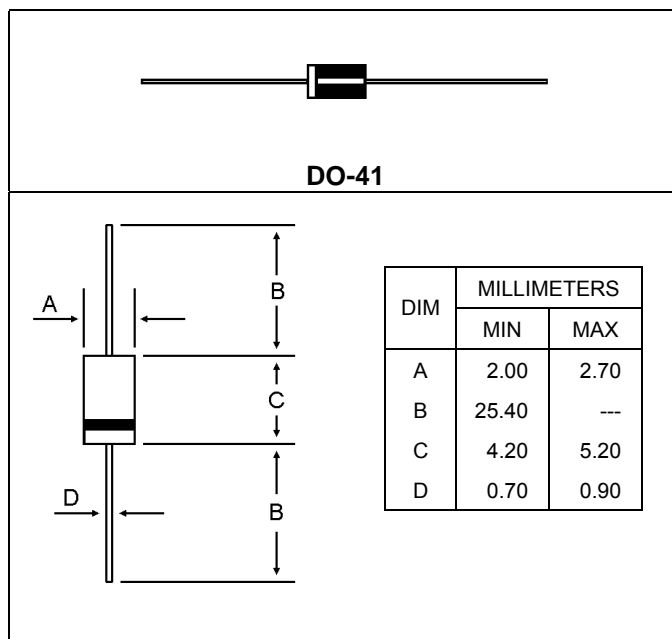
VOLTAGE RANGE 50 TO 1000 Volts Current 1 Ampere

FEATURES

- * Low cost construction
- * Low forward voltage drop
- * Low reverse leakage
- * High forward surge current capability
- * High temperature soldering guaranteed
260 °C/10 seconds, 0.375"(9.5 mm) lead length
at 5 lbs(2.3kg) tension

MECHANICAL DATA

- * Case : Transfer Molded Plastic
- * Epoxy: UL94V-O rate flame retardant
- * Terminals : Solderable Per MIL-STD-202 Method 208
- * Polarity : Color band denotes cathode end
- * Mounting position: Any
- * Weight : 0.012 ounce. 0.33 gram (approx)



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

- * Rating at 25 °C ambient temperature unless otherwise specified
* Single phase, half wave. 60Hz, resistive or inductive load.
* For capacitive load derate current by 20 %

[illegible]

1N4001 thru 1N4007

FIG-1 FORWARD CURRENT DERATING CURVE

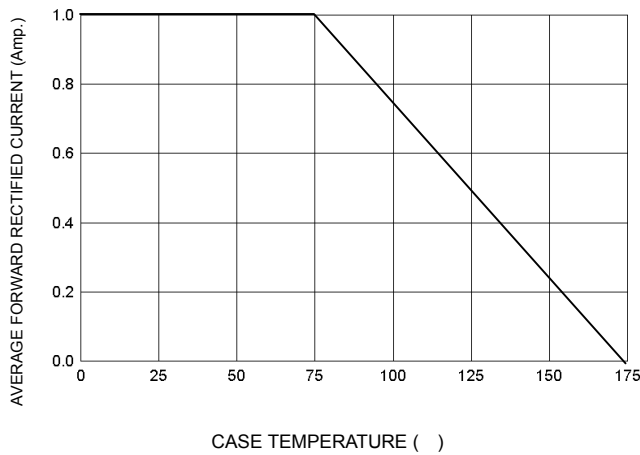


FIG-2 TYPICAL FORWARD CHARACTERISTICS

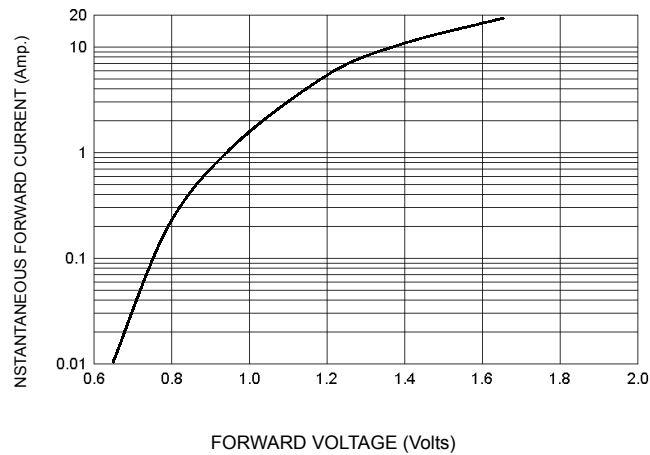


FIG-3 TYPICAL REVERSE CHARACTERISTICS

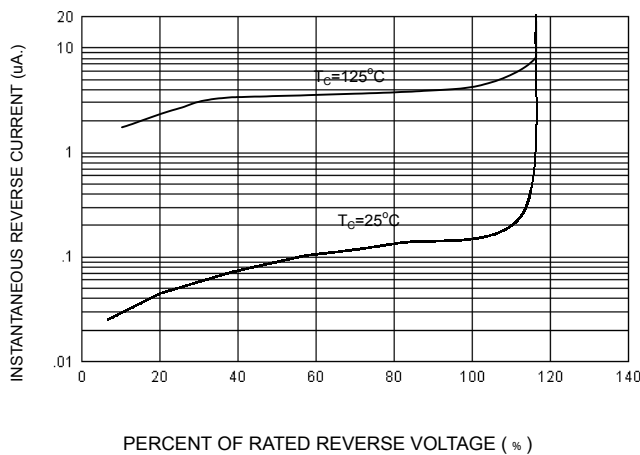


FIG-4 TYPICAL JUNCTION CAPACITANCE

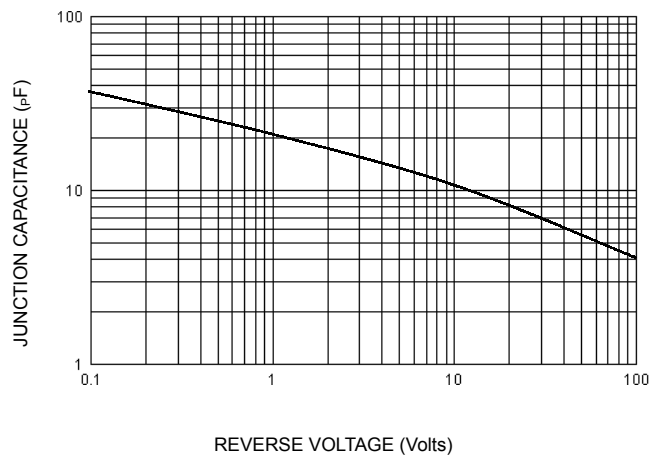
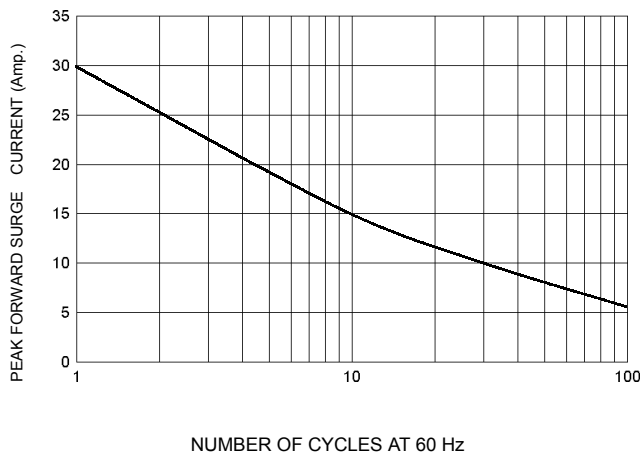


FIG-5 PEAK FORWARD SURGE CURRENT



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