

TSC

5

1N4001SG THRU 1N4007SG

1.0 AMP. Glass Passivated Rectifiers

5

Voltage Range

50 to 1000 Volts

Current

1.0 Ampere

Features

✧ Low forward voltage drop

✧ High current capability

✧ High reliability

✧ High surge current capability

✧ ϕ 0.6mm leads

Mechanical Data

✧ Cases: Molded plastic

✧ Epoxy: UL 94V-0 rate flame retardant

✧ Lead: Axial leads, solderable per MIL-STD-202, Method 208 guaranteed

✧ Polarity: Color band denotes cathode end

✧ High temperature soldering guaranteed: 260℃/10 seconds/.375", (9.5mm) lead lengths at 5 lbs., (2.3kg) tension

✧ Weight: 0.22 gram

A-405

Notes: 1. Measured at 1 MHz and Applied Reverse Voltage of 4.0 Volts D.C.
2. Mount on Cu-Pad Size 5mm x 5mm on P.C.B.

RATINGS AND CHARACTERISTIC CURVES (1N4001SG THRU 1N4007SG)

FIG.1- MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

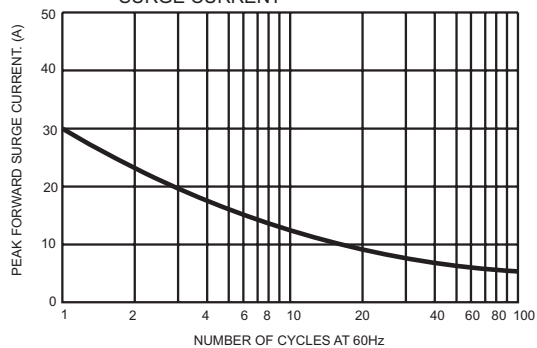


FIG.2- MAXIMUM FORWARD CURRENT DERATING CURVE

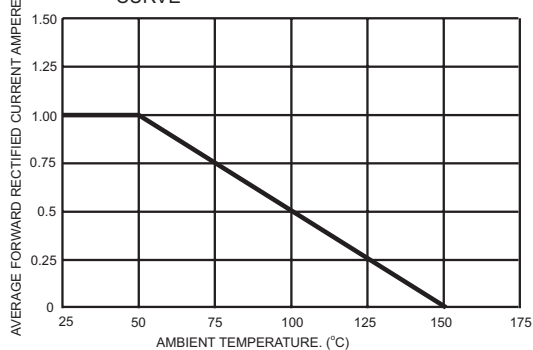


FIG.3- TYPICAL JUNCTION CAPACITANCE

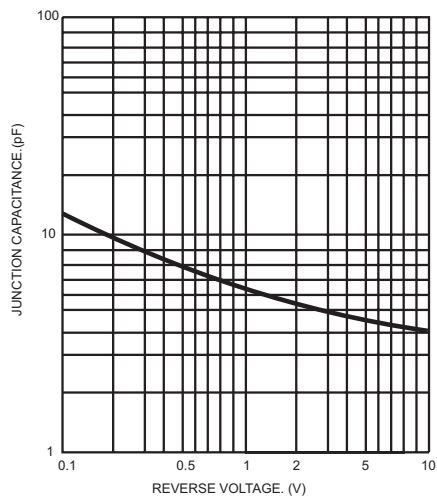


FIG.4- TYPICAL FORWARD CHARACTERISTICS

