

Maximum Instantaneous Reverse Current

(Rated DC Voltage, $T_c = 25$)

(Rated DC Voltage, $T_c = 125$)

SBD1030CT thru SBD1045CT

v

х

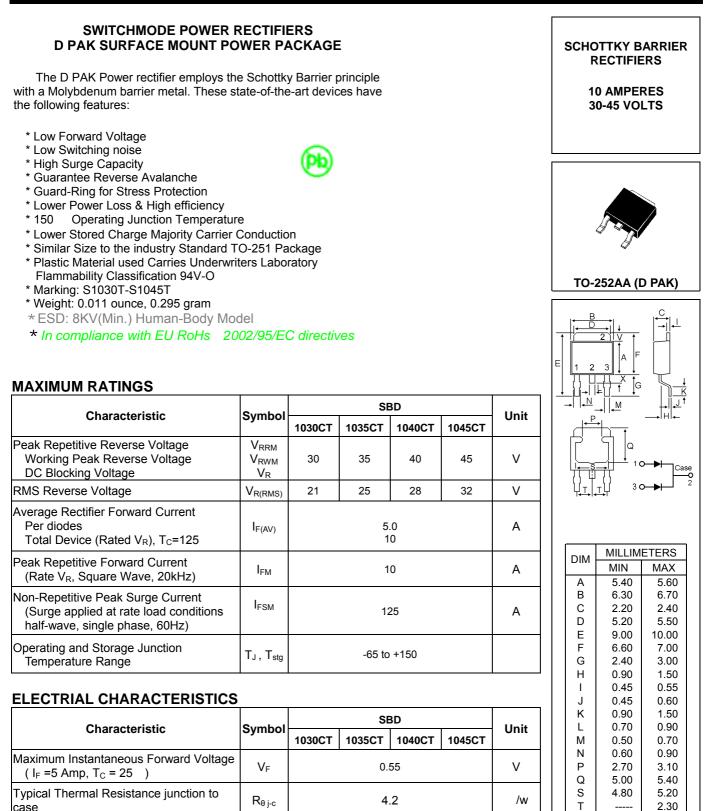
mΑ

1.20

0.80

1.40

1.20



0.5

5.0

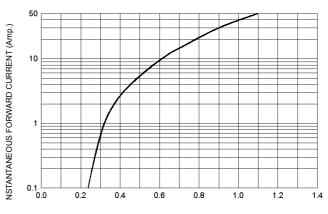
 I_R

SBD1030CT Thru SBD1045CT

FIG-1 FORWARD CURRENT DERATING CURVE

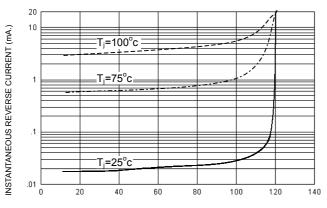
10 8 6 4 2 0 25 50 75 100 125 150 САSE TEMPERATURE ()

FIG-2 TYPICAL FORWARD CHARACTERISITICS



FORWARD VOLTAGE (Volts)

FIG-3 TYPICAL REVERSE CHARACTERISTICS



PERCENT OF RATED REVERSE VOLTAGE (%)

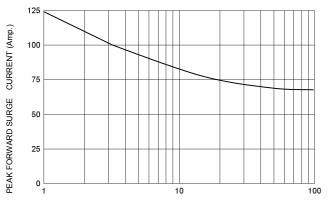
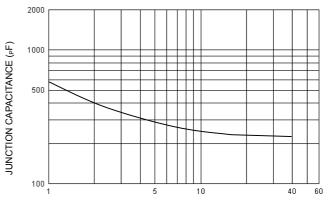


FIG-5 PEAK FORWARD SURGE CURRENT

NUMBER OF CYCLES AT 60 Hz

FIG-4 TYPICAL JUNCTION CAPACITANCE



REVERSE VOLTAGE (Volts)



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