# S10A thru S10M



Typical Forward Characteristics



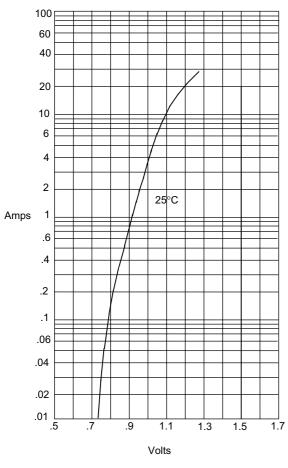
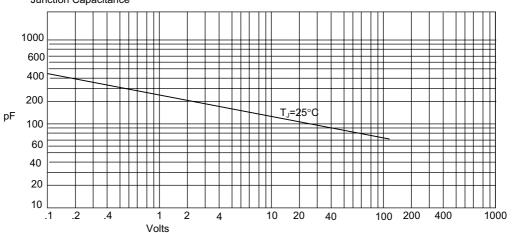


Figure 2 Forward Derating Curve 12 10 8 6 Amps Single Phase, Half Wave 60Hz Resistive or Inductive Loa 0 80 100 140 160 40 °C

Average Forward Rectified Current - Amperes versus Case Temperature  $\mbox{-}\,^{\circ}\text{C}$ 

Instantaneous Forward Current - Amperes versus Instantaneous Forward Voltage - Volts

Figure 3 Junction Capacitance



Junction Capacitance - pF versus Reverse Voltage - Volts

# S10A thru S10M



Figure 4
Typical Reverse Characteristics

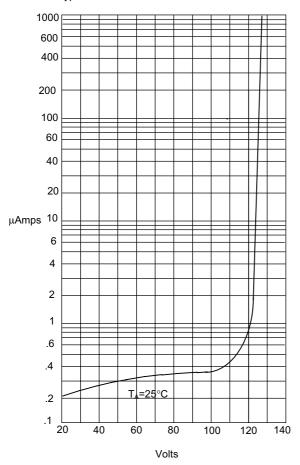


Figure 5
Peak Forward Surge Current

300
250
200
150
Amps 100
50
0 1 2 4 6 8 10 20 40 60 80 100

Cycles

Peak Forward Surge Current - Amperes *versus* Number Of Cycles At 60Hz - Cycles

Instantaneous Reverse Leakage Current - MicroAmperes *versus* Percent Of Rated Peak Reverse Voltage - Volts



### **Ordering Information:**

Device	Packing
Part Number-TP	Tape&Reel: 1.5Kpcs/Reel

Note: Adding "-HF" suffix for halogen free, eg. Part Number-TP-HF

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