

# HS1A thru HS1M

High Efficient Surface Mount Rectifier  
Reverse Voltage 50 to 1000V Forward Current 1.0 A

## Ratings and Characteristics Curves ( $T_A = 25^\circ\text{C}$ unless otherwise noted)

FIG.1- REVERSE RECOVERY TIME CHARACTERISTIC AND TEST CIRCUIT DIAGRAM

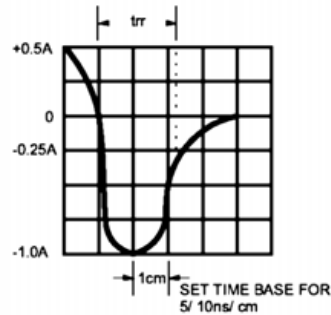
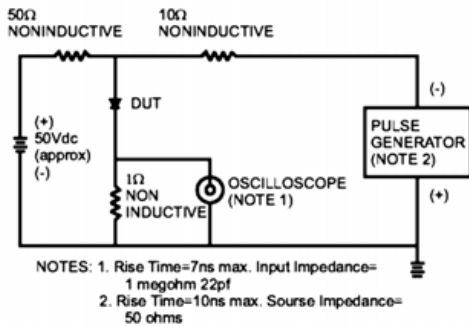


FIG.2- MAXIMUM AVERAGE FORWARD CURRENT DERATING

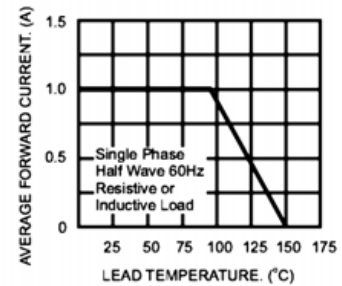


FIG.3- TYPICAL REVERSE CHARACTERISTICS

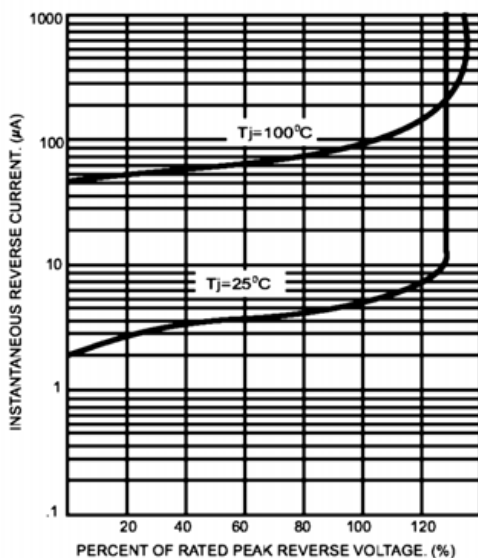


FIG.4- TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

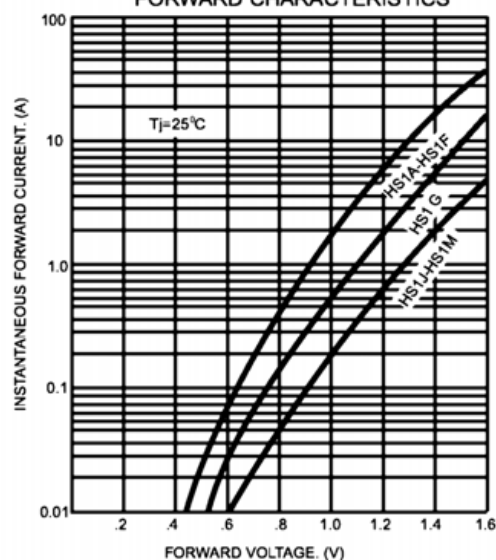


FIG.5- MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

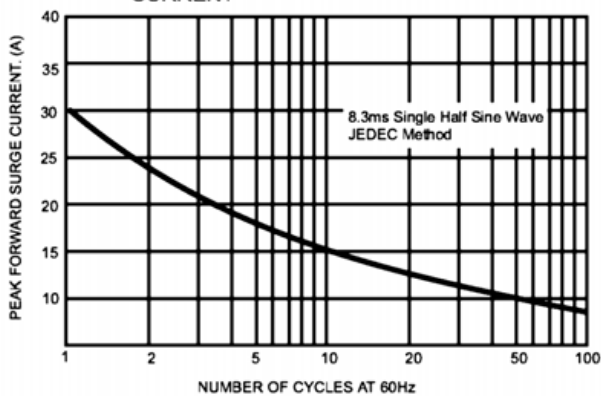
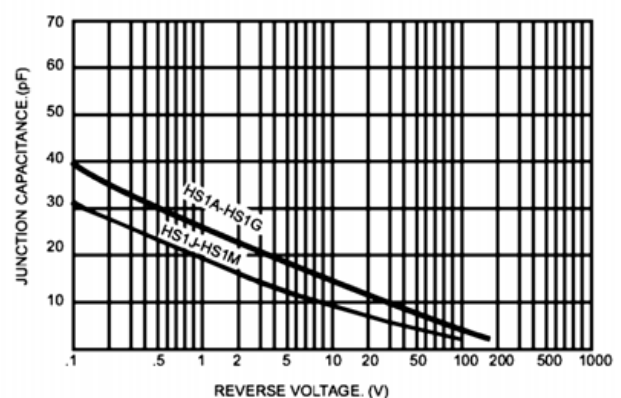
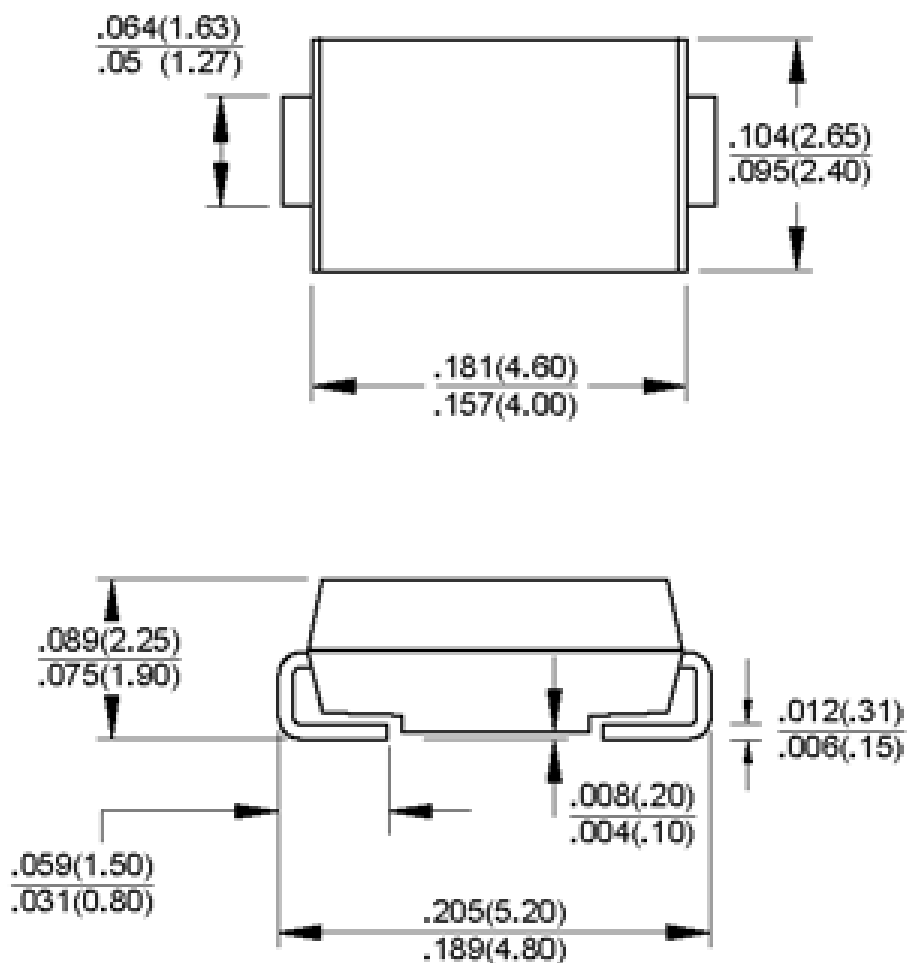


FIG.6- TYPICAL JUNCTION CAPACITANCE



## Package Outline Dimensions

### DO-214AC (SMA)



**Dimensions in inches and (millimeters)**