

Rectifier Diodes, Standard

Standard Rectifier Diodes, SMD, S5x



FEATURES:

- For surface mount applications
- Low reverse leakage
- Built-in train relief, ideal for automated placement
- High forward surge current capability
- Flammability classification 94V-0
- Terminals: Plated axial leads, solderable per MIL-STD-750, Method 2026
- Polarity: Color band denotes cathode end
- Mounting Position: Any
- Capacitance 120 pF



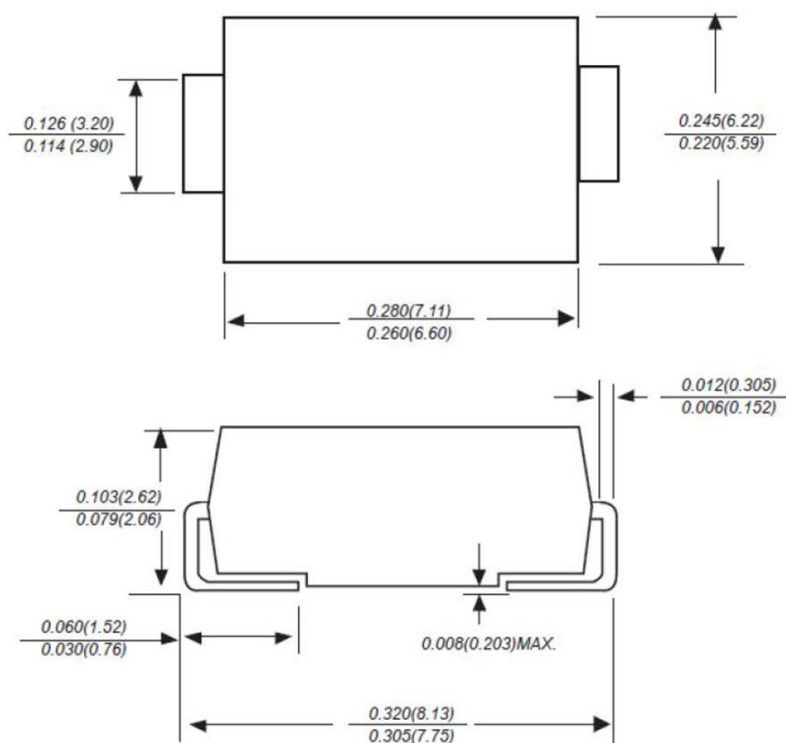
SPECIFICATION:

Conducting-state current	5 A
Surge current	150 A
Housing type	SMC
Operating temperature	-65...+150 °C
Conducting-state voltage	1.0 V
Thermal resistance	80 °C/W

PRODUCT RANGE:

Art. Nr.	Peak off-state voltage
RND S5G	400 V
RND S5J	600 V
RND S5M	1000 V

SMC (DO-214AB)



Dimensions in inches and (millimeters)

AVERAGE FORWARD RECTIFIED CURRENT, AMPERES

FIG. 1-FORWARD CURRENT DERATING CURVE

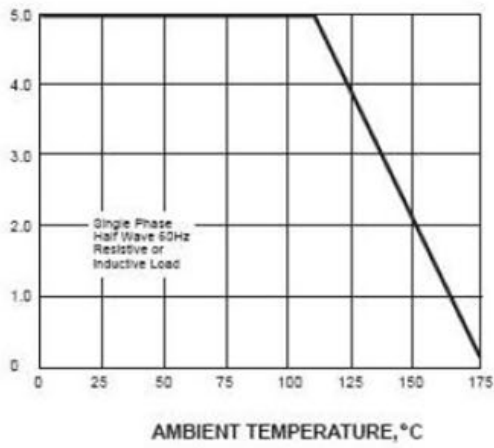


FIG. 2-MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT

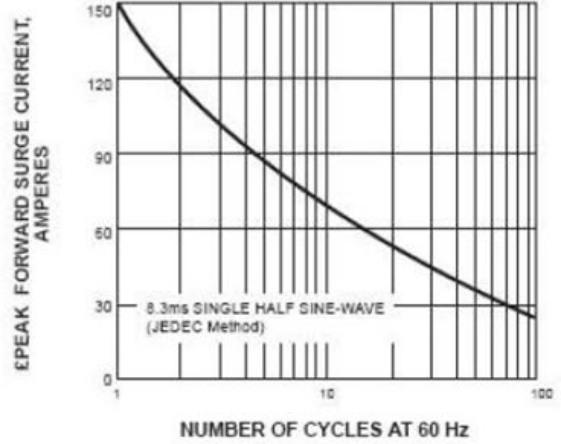


FIG. 3-TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

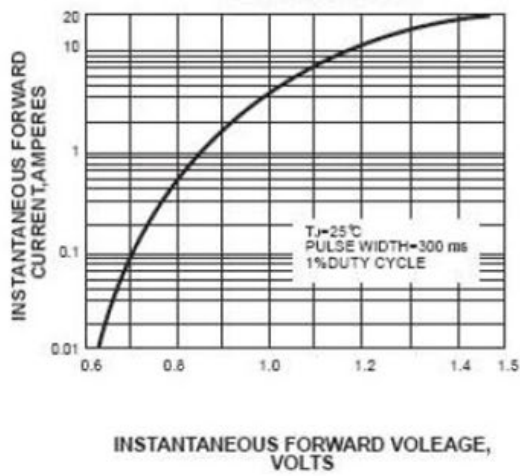


FIG. 4-TYPICAL REVERSE CHARACTERISTICS

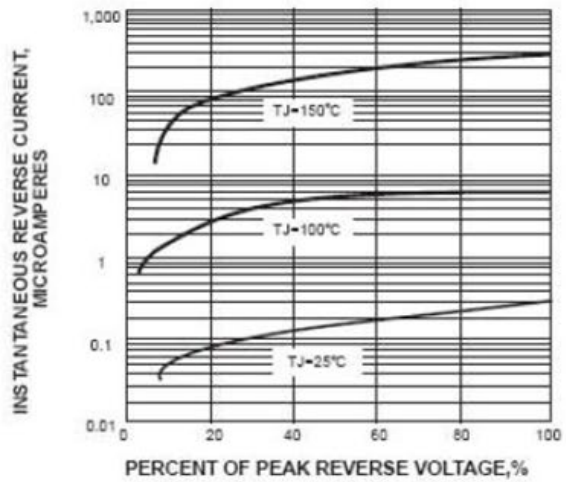


FIG. 5-TYPICAL JUNCTION CAPACITANCE

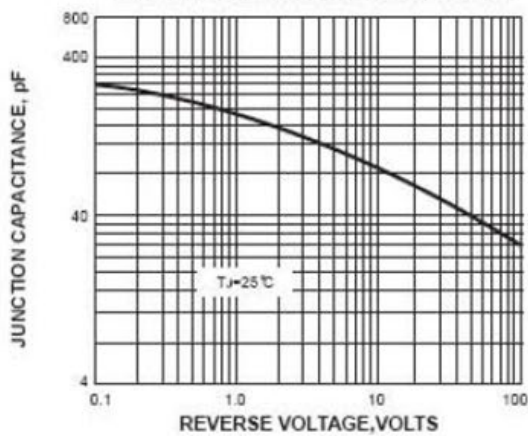


FIG. 6-TYPICAL TRANSIENT THERMAL IMPEDANCE

