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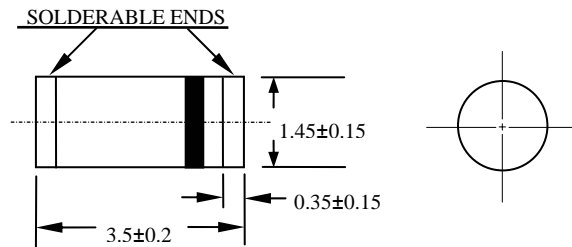
## 0.5A SURFACE MOUNT SILICON RECTIFIERS GL34A THRU GL34J

### FEATURES

- LOW COST
- GLASS PASSIVATED DEVICE
- LOW LEAKAGE CURRENT
- IDEAL FOR SURFACE MOUNT APPLICATIONS

### MECHANICAL DATA

- CASE: DO-213AA (GL34), DIMENSIONS IN MILLIMETERS
- TERMINALS: SOLDERABLE PER MIL-STD-750, METHOD 2026
- POLARITY: CATHODE INDICATED BY COLOR BAND
- MOUNTING POSITION : ANY
- WEIGHT: 0.036 GRAMS



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS RATINGS AT 25°C AMBIENT TEMPERATURE UNLESS OTHERWISE SPECIFIED SINGLE PHASE, HALF WAVE, 60 HZ, RESISTIVE OR INDUCTIVE LOAD. FOR CAPACITIVE LOAD, DERATE CURRENT BY 20%

RATINGS	SYMBOL	GL34A	GL34B	GL34D	GL34G	GL34J	UNITS
MAXIMUM RECURRENT PEAK REVERSE VOLTAGE	$V_{RRM}$	50	100	200	400	600	V
MAXIMUM RMS VOLTAGE	$V_{RMS}$	35	70	140	280	420	V
MAXIMUM DC BLOCKING VOLTAGE	$V_{DC}$	50	100	200	400	600	V
MAXIMUM AVERAGE FORWARD RECTIFIED CURRENT AT SEE FIG.1	$I_O$	0.5					A
PEAK FORWARD SURGE CURRENT, 8.3ms SINGLE HALF SINE-WAVE SUPERIMPOSED ON RATED LOAD	$I_{FSM}$	10					A
TYPICAL JUNCTION CAPACITANCE (NOTE 1)	$C_j$	4					PF
STORAGE TEMPERATURE RANGE	$T_{STG}$	- 55 TO + 150					°C
OPERATING TEMPERATURE RANGE	$T_{OP}$	- 55 TO + 150					°C

### ELECTRICAL CHARACTERISTICS (A<sub>T</sub> T<sub>A</sub> =25°C UNLESS OTHERWISE NOTED)

CHARACTERISTICS	SYMBOL	GL34A	GL34B	GL34D	GL34G	GL34J	UNITS
MAXIMUM FORWARD VOLTAGE AT I <sub>o</sub> DC	$V_F$	1.1					V
MAXIMUM DC REVERSE CURRENT AT T <sub>A</sub> =25°C T <sub>A</sub> =100°C	$I_R$	5 50					μA

NOTE: 1. MEASURED AT 1.0 MHZ AND APPLIED REVERSE VOLTAGE OF 4.0 V

# RATINGS AND CHARACTERISTIC CURVES GL34A THRU GL34J

FIG. 1 - FORWARD CURRENT DERATING CURVE

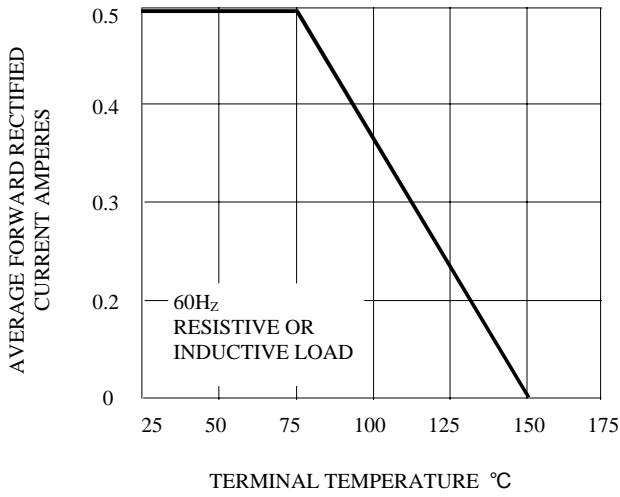


FIG. 2 - MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT

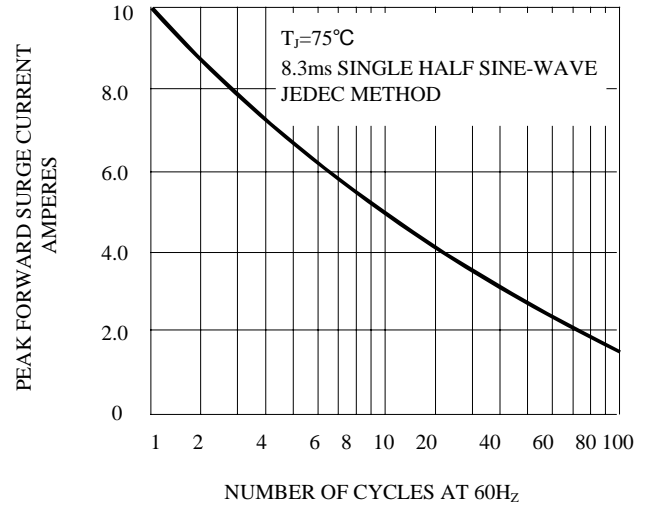


FIG. 3 - TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

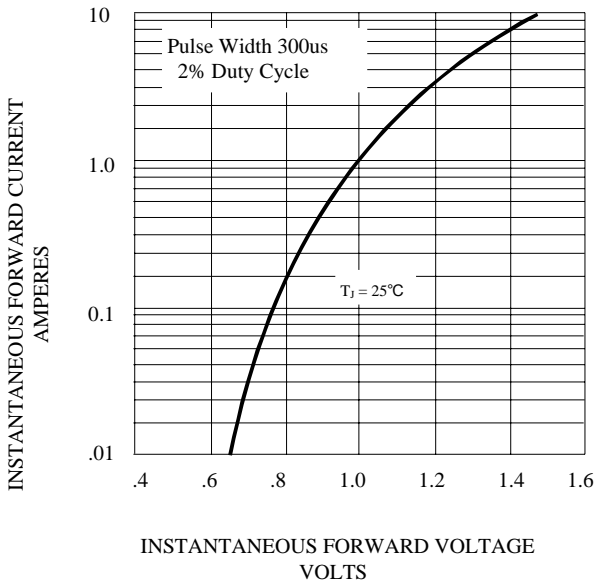


FIG. 4 - TYPICAL JUNCTION CAPACITANCE

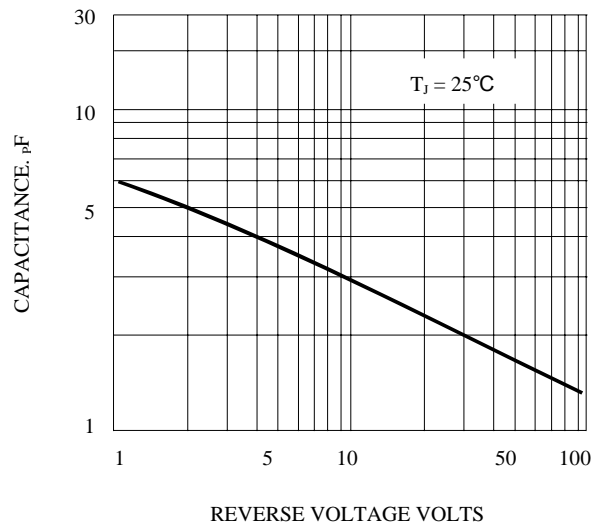


FIG. 5 - TYPICAL REVERSE CHARACTERISTICS

