

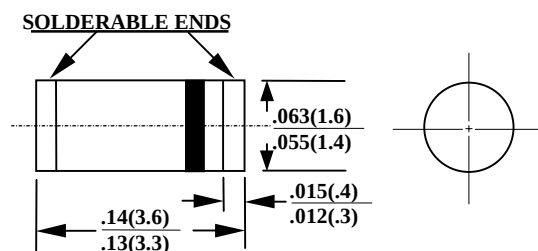
0.5A SURFACE MOUNT SILICON RECTIFIERS

FEATURES

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

MECHANICAL DATA

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



CASE-DO-213AA (GL34)
DIMENSIONS IN INCHES AND (MILLIMETERS)

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 ($A_T T_A = 25^\circ\text{C}$ UNLESS OTHERWISE NOTED)

CHARACTERISTICS	SYMBOL	GL34A	GL34B	GL34D	GL34G	GL34J	UNITS
MAXIMUM FORWARD VOLTAGE AT 0.5A	V_F	1.1					V
MAXIMUM DC REVERSE CURRENT AT $T_A = 25^\circ\text{C}$ $T_A = 100^\circ\text{C}$	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

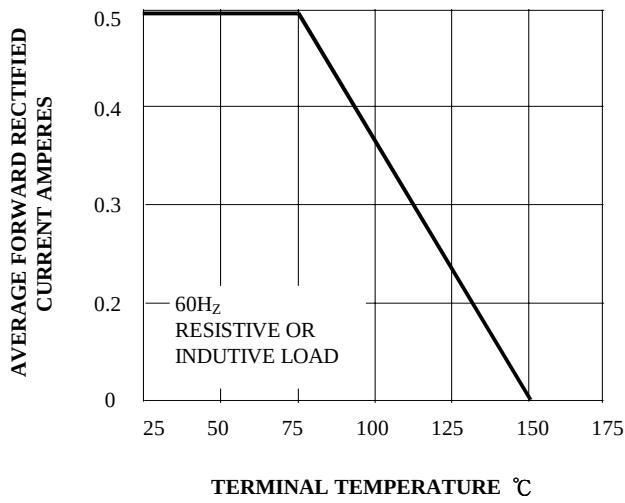


FIG.2 - MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT

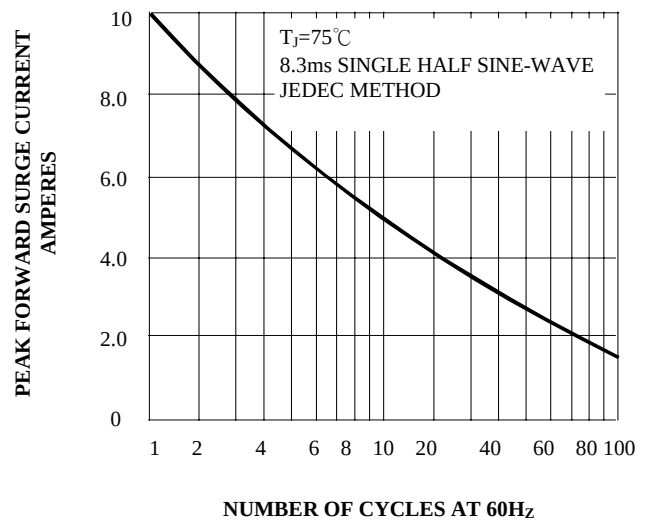


FIG. 3 - TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

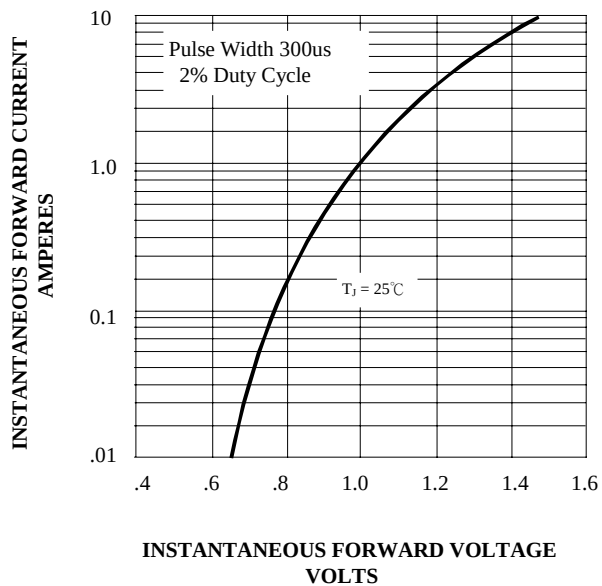


FIG. 4 - TYPICAL JUNCTION CAPACITANCE

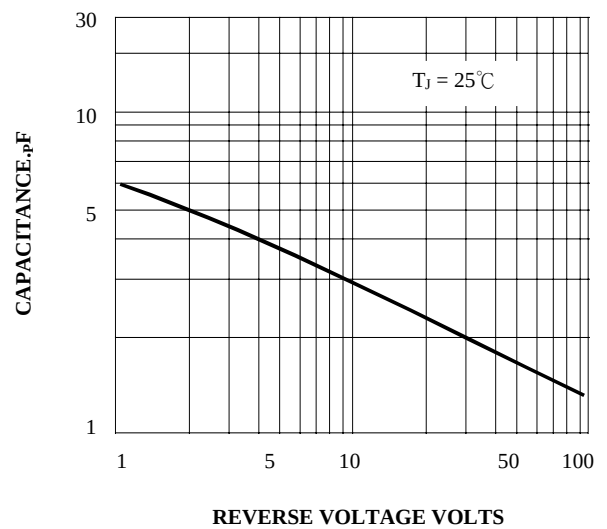


FIG. 5 - TYPICAL REVERSE CHARACTERISTICS

