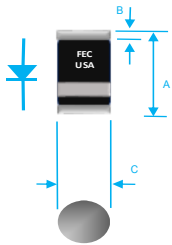


0.8A SURFACE MOUNT SCHOTTKY BARRIER RECTIFIERS



Dim.	Value in [mm]	
	Min.	Max.
A	1.300[33.02]	1.400[35.56]
B	0.012[0.30]	0.015[0.38]
C	0.055[1.40]	0.063[1.60]

PRODUCT FEATURES

1. FLAMMABILITY CLASSIFICATION: 94V-0
2. EXTREMELY LOW VF
3. LOW POWER LOSS/HIGH EFFICIENCY
4. LOW STORED CHARGE
5. MAJORITY CARRIER CONDUCTION
6. CASE:DO-213AA (GL34)
7. DIMENSIONS IN INCHES AND (MILLIMETERS)
8. POLARITY: INDICATED BY CATHODE BAND
9. WEIGHT: 0.036 GRAM
10. MIL-STD 750 METHOD 2026
11. ROHS

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS RATINGS AT 25°C AMBIENT TEMPERATURE UNLESS OTHERWISE SPECIFIED STORAGE AND OPERATING TEMPERATURE RANGE -55°C TO + 150°C. SINGLE PHASE, HALF WAVE, 60 HZ, RESISTIVE OR INDUCTIVE LOAD. FOR CAPACITIVE LOAD, DERATE CURRENT BY 20%

RATINGS	SYMBOL	VALUE	UNITS
MAXIMUM AVERAGE FORWARD RECTIFIED CURRENT AT $T_t=75^\circ\text{C}$	IO	0.8	A
PEAK FWD SURGE CURRENT, 8.3ms SINGLE HALF SINE-WAVE SUPERIMPOSED ON RATED LOAD	IFSM	10	A
TYPICAL JUNCTION CAPACITANCE (NOTE 1)	CJ	80	pF
TYPICAL THERMAL RESISTANCE (NOTE 2)	Rqjl	30	°C/W
TYPICAL THERMAL RESISTANCE (NOTE 2)	Rqja	75	°C/W
MAXIMUM REVERSE CURRENT AT 25°C	IR	500	uA
MAXIMUM REVERSE CURRENT AT 100 °C	IR	10000	uA

1. MEASURED AT 1.0 MHz AND APPLIED REVERSE VOLTAGE OF 4.0V D.C.

2. THERMAL RESISTANCE JUNCTION TO TERMINAL 6.0 mm x 6.0 mm COPPER PADS TO EACH TERMINAL

PART NUMBER	MAXIMUM RECURRENT PEAK REVERSE VOLTAGE VRRM (V)	MAXIMUM RMS VOLTAGE VRMS (V)	MAXIMUM DC BLOCKING VOLTAGE VDC (V)	MAXIMUM FORWARD VOLTAGE VF (V)
SGL34-02	20	14	20	0.5
SGL34-03	30	21	30	0.5
SGL34-04	40	28	40	0.5
SGL34-05	50	35	50	0.7
SGL34-06	60	42	60	0.7



RATING AND CHARACTERISTIC CURVES

FIG. 1 - FORWARD CURRENT

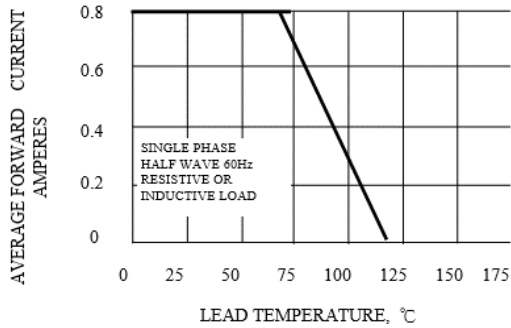


FIG. 2 - TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

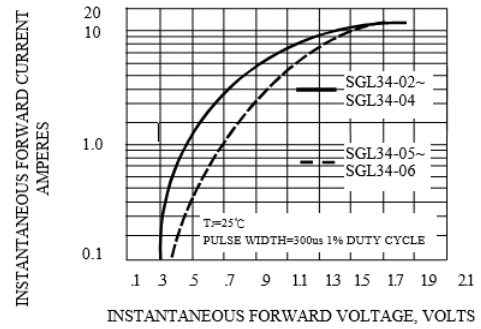


FIG. 3 - TYPICAL REVERSE CHARACTERISTICS

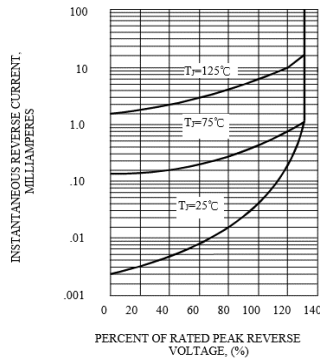


FIG. 4 - TYPICAL JUNCTION CAPACITANCE

