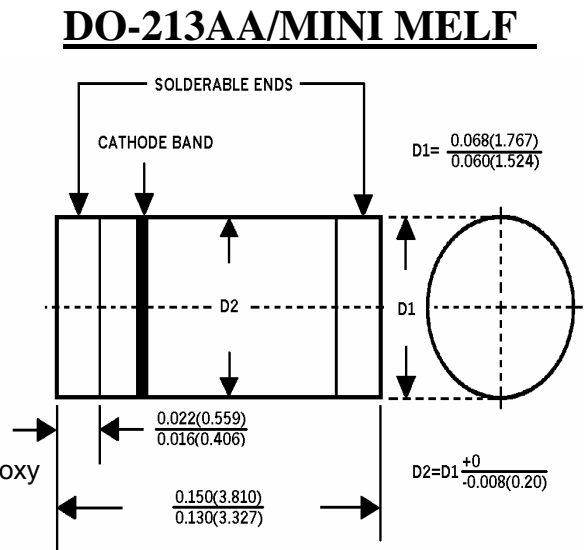


FEATURES

- . Low power loss, high efficient
- . High surge current capability.
- . Low forward voltage drop
- . For use in low voltage, high frequency inverters, free wheeling application
- . Guarding for overvoltage protection

MECHANICAL DATA

- . Case: Molded plastic use UL94V-0 recognized flame retardant epoxy
- . Terminals: Plated terminals
- . Polarity: Color band on body denotes cathode
- . Mounting position: Any
- . Weight: 0.0317 gram



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating at 25°C Ambient temp. Unless otherwise specified. Single phase, half sine wave, 60HZ, resistive or inductive load. For capacitive load, derate current by 20%

| | 符號 SYMBOL | LGL 341-20 | LGL 341-30 | LGL 341-40 | LGL 341-50 | LGL 341-60 | 單位 UNITS |
|--|--------------|---------------|---------------|---------------|---------------|---------------|-------------|
| 最大峰值反向電壓 Maximum Current Peak Reverse Voltage | VRRM | 20 | 30 | 40 | 50 | 60 | Volts |
| 最大反向有效電壓 Maximum RMS Voltage | VRMS | 14 | 24 | 28 | 35 | 42 | Volts |
| 最大直流阻斷電壓 Maximum DC Blocking Voltage | VDC | 20 | 30 | 40 | 50 | 60 | Volts |
| 最大正向平均整流電流 Maximum Average Forward Rectified Current | I(AV) | 1.0 | | | | | Amps |
| 正向峰值浪涌電流 Peak Forward Surge Current Single Sine-wave on Rated Load (JEDEC Method) | IFSM | 10.0 | | | | | Amps |
| 1A直流電時最大正向瞬間電壓降 Maximum Instantaneous Forward Voltage Drop at 1A DC | VF | 0.45 | 0.55 | 0.6 | 0.70 | | Volts |
| 最大反向漏電流 Maximum DC Reverse Current at Rated DC Blocking Voltage | IR | 0.5 10.0 | | | | | mA |
| 典型熱阻 Typical Thermal Resistance | RθJA | 75 | | | | | °C/W |
| 典型結電容 Typical Junction Capacitance | CJ | 110.0 | | | 90.0 | | pF |
| 工作溫度和存儲溫度 Operating Junction and Storage Temperature Range | TJ, TSTG | -55 to +125 | | | -55 to +150 | | °C |

FIG. 1- 輸出電流降額曲線
FIG. 1 - DERATING CURVE FOR OUTPUT RECTIFIER CURRENT

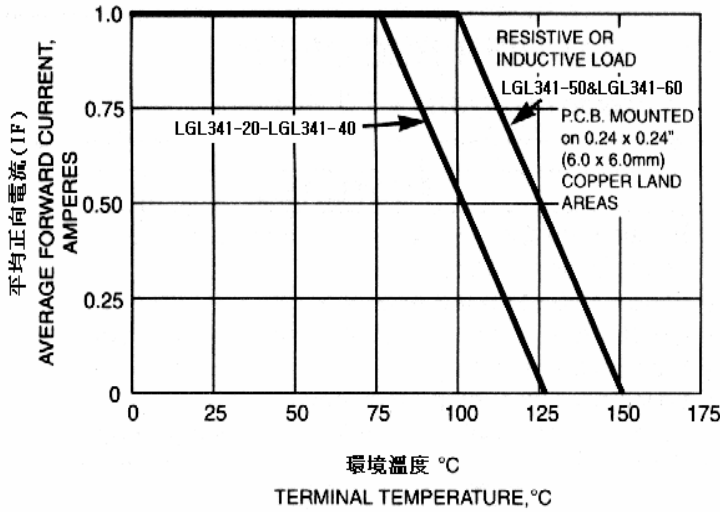


FIG. 2- 浪涌特性曲線 (最大值)
FIG. 2 - MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT

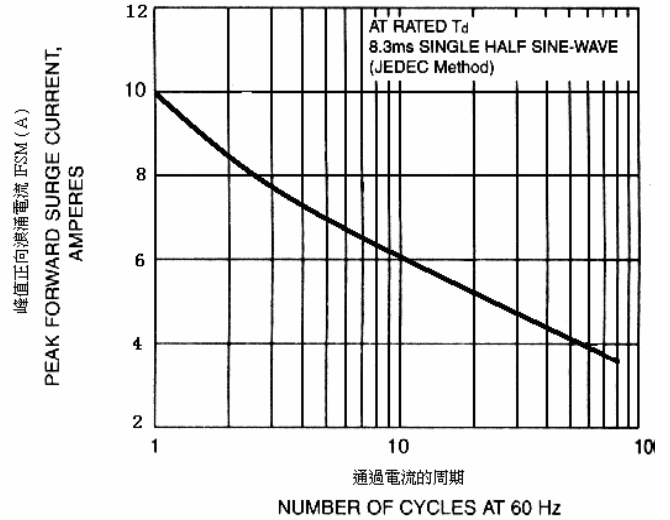


FIG. 3- 反向特性曲線(典型值)
FIG. 3 - TYPICAL REVERSE CHARACTERISTICS

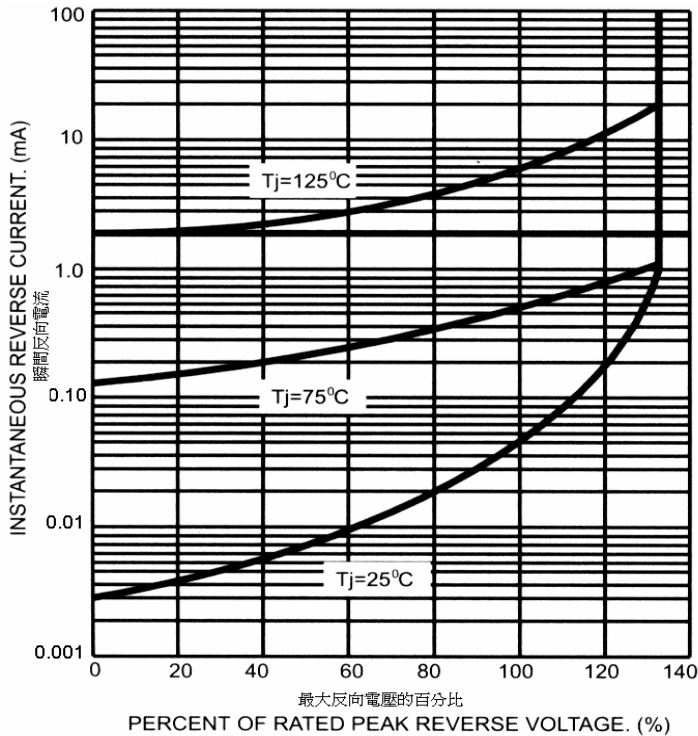


FIG. 4- 表面電容(典型值)
FIG. 4 - TYPICAL JUNCTION CAPACITANCE

