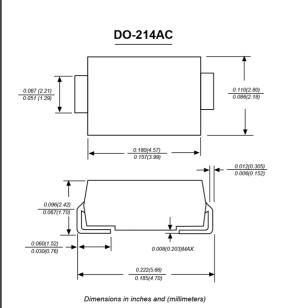


US1A THRU US1M

SURFACE MOUNT ULTRA FAST RECTIFIER Reverse Voltage - 50 to 1000 Volts Forward Current - 1.0 Ampere



FEATURES

- The plastic package carries Underwriters Laboratory Flammability Classification 94V-0
- For surface mounted applications
- Ultra fast switching for high efficiency
- Low reverse leakage
- ◆ Built-in strain relief, ideal for automated placement
- High forward surge current capability
- High temperature soldering guaranteed 250°C/10 seconds at terminals

SYMBOLS LISTA LISTE LISTE LISTE LISTE LISTE

MECHANICAL DATA

Case: JEDEC DO-214AC molded plastic body Terminals: Plated axial leads, solderable per MIL-STD-750. Method 2026

Polarity: Color band denotes cathode end **Mounting Position**: Any Weight: 0.058 grams

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25°C ambient temperature unless otherwise specified. Single phase half-wave 60Hz resistive or inductive load for capacitive load current derate by 20%.

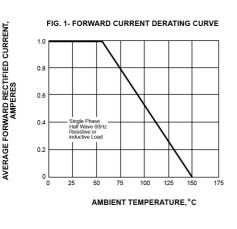
| | O T MI BOLO | USTA | 0316 | סוסו | 0516 | 0313 | USIK | USTIN | UNITS |
|--|-------------|-------------|------|------|------|------|------|-------|-------|
| Maximum repetitive peak reverse voltage | VRRM | 50 | 100 | 200 | 400 | 600 | 800 | 1000 | VOLTS |
| Maximum RMS voltage | VRMS | 35 | 70 | 140 | 280 | 420 | 560 | 700 | VOLTS |
| Maximum DC blocking voltage | VDC | 50 | 100 | 200 | 400 | 600 | 800 | 1000 | VOLTS |
| Maximum average forward rectified current | I(AV) | 1.0 | | | | | | | Δ |
| at TL=55°C | I(AV) | | | | 1.0 | | | | Amp |
| Peak forward surge current | | | | | | | | | |
| 8.3ms single half sine-wave superimposed on | IFSM | IFSM 30.0 | | | | | | Amps | |
| rated load (JEDEC Method) | | | | | | | | | |
| Maximum instantaneous forward voltage at 1.0A | VF | | 1.0 | | 1.3 | | 1.7 | | Volts |
| Maximum DC reverse current Ta=25℃ | | 5.0 | | | | | | | uA |
| at rated DC blocking voltage Ta=100℃ | l R | | 50.0 | | | | | | uA |
| Maximum reverse recovery time (NOTE 1) | trr | | 50 |) | | | 75 | | ns |
| Typical junction capacitance (NOTE 2) | Ci | 15.0 | | | | | | pF | |
| Typical thermal resistance (NOTE 3) | RqJA | 50.0 | | | | | | °C/W | |
| Operating junction and storage temperature range | ТЈ,Тѕтс | -65 to +150 | | | | | | °C | |

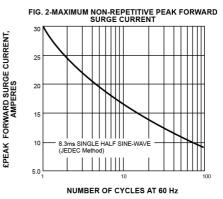
Note:1.Reverse recovery condition IF=0.5A, IR=1.0A, Irr=0.25A 2.Measured at 1MHz and applied reverse voltage of 4.0V D.C. 3.P.C.B. mounted with 0.2x0.2"(5.0x5.0mm) copper pad areas

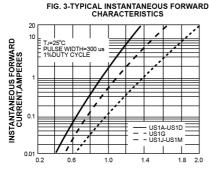
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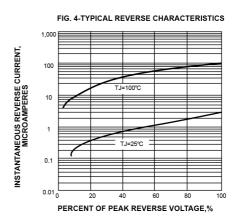


RATINGS AND CHARACTERISTIC CURVES US1A THRU US1M

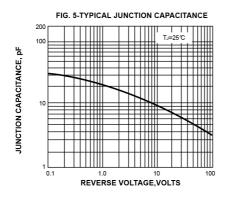


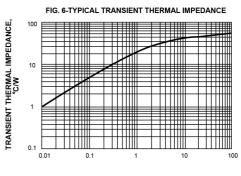












t.PULSE DURATION.sec.

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单击下面可查看定价,库存,交付和生命周期等信息

>>RCD(达标电子)