

**VOLTAGE RANGE: 30 - 40V**

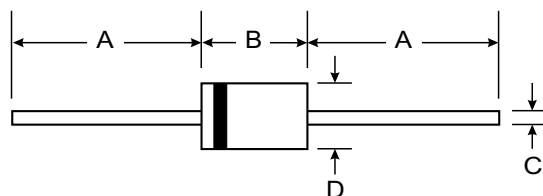
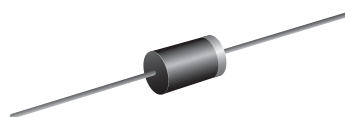
**CURRENT: 3.3 A**

### Features

- Schottky Barrier Chip
- Guard Ring Die Construction for Transient Protection
- High Current Capability
- Low Power Loss, High Efficiency
- High Surge Current Capability

### Mechanical Data

- Case: DO-201AD, Molded Plastic
- Terminals: Plated Leads Solderable per MIL-STD-202, Method 208
- Polarity: Cathode Band
- Weight: 1.2 grams (approx.)
- Mounting Position: Any
- Marking: Type Number



DO-201AD		
Dim	Min	Max
A	25.40	—
B	7.20	9.50
C	1.20	1.30
D	4.80	5.30
All Dimensions in mm		

### Maximum Ratings and Electrical Characteristics $T_A = 25^\circ\text{C}$ unless otherwise specified

Single phase, half wave, 60Hz, resistive or inductive load. For capacitive load, derate current by 20%.

Characteristic	Symbol	31DQ03	31DQ04	Unit
Maximum Recurrent Peak Reverse Voltage	$V_{RRM}$	30	40	V
Maximum DC Blocking Voltage	$V_{DC}$	30	40	V
Maximum Average Forward Current at Ambient Temperature, $T_C = 48^\circ\text{C}$	$I_{F(AV)}$	3.3		A
Maximum Non-repetitive Peak Forward Surge Current ( 50 Hz, Sine wave, 10ms )	$I_{FSM}$	120		A
Maximum Forward Voltage at $I_F = 3.0\text{ A}$	$V_F$	0.55		V
Maximum Reverse Current at $V_R = V_{RRM}$ , $T_J = 25^\circ\text{C}$	$I_R$	3.0		mA
Junction Temperature Range	$T_J$	- 40 to + 150		$^\circ\text{C}$
Storage Temperature Range	$T_{STG}$	- 40 to + 150		$^\circ\text{C}$

## RATING AND CHARACTERISTIC CURVES ( 31DQ03- 31DQ04 )

FIG.1 - FORWARD CURRENT DERATING CURVE

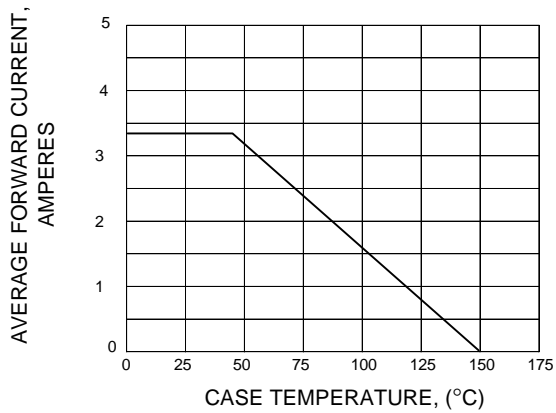


FIG.2 - MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT

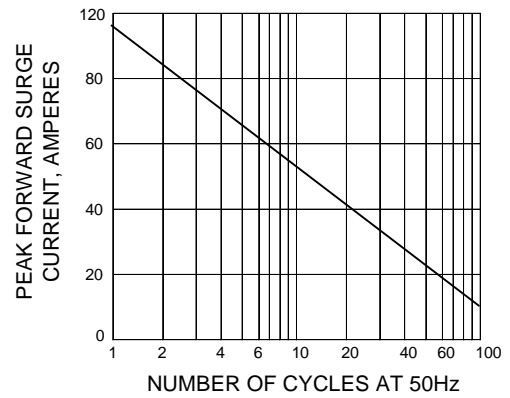


FIG.3 - TYPICAL FORWARD CHARACTERISTICS

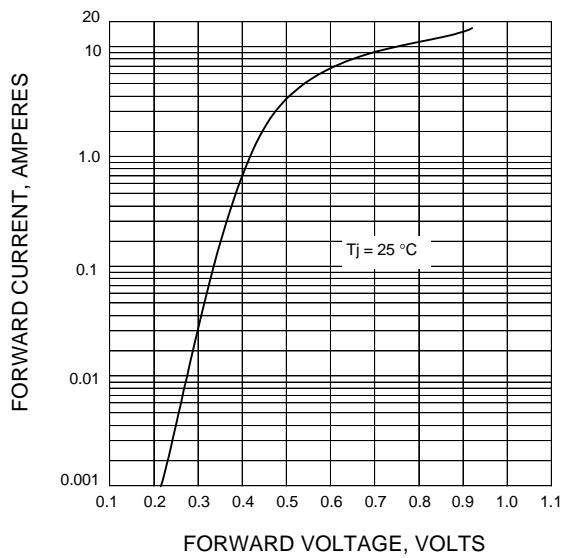
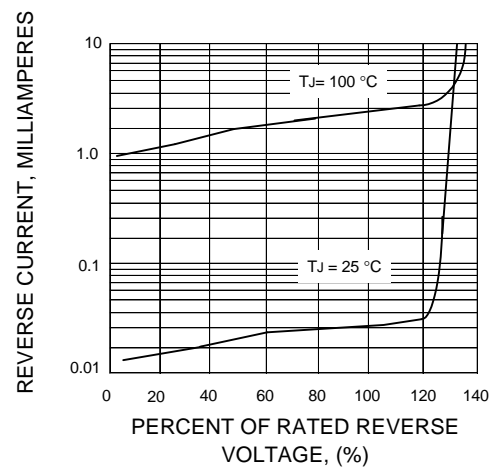


FIG.4 - TYPICAL REVERSE CHARACTERISTICS



单击下面可查看定价，库存，交付和生命周期等信息

[>>SUNMATE\(森美特\)](#)