

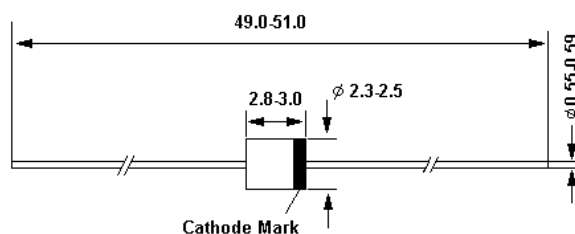
# AK04

## SILICON SCHOTTKY BARRIER DIODE

Forward Current – 1.0 Ampere

### Features

- For pulse rectification applications
- Plastic package has Underwriters Laboratory Flammability Classification 94V-0
- High temperature soldering:  
260°C / 10 seconds at terminals



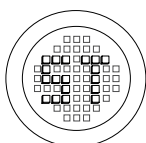
Dimensions in mm

### Absolute Maximum Ratings ( $T_a = 25^\circ\text{C}$ )

	Symbols	Rating	Units
Transient Peak Reverse Voltage	$V_{RSM}$	40	V
Peak Reverse Voltage	$V_{RM}$	40	V
Average Forward Current			
Peak Surge Forward Current			
$I^2t$ Limiting Value	$I^2t$	3.125	$A^2s$
Junction Temperature	$T_j$	-40 to +150	$^\circ\text{C}$
Storage Temperature Range	$T_s$	-40 to +150	$^\circ\text{C}$

### Characteristics at $T_{amb} = 25^\circ\text{C}$

	Symbol	Value (max.)	Unit
Forward Voltage Drop at $I_F=1.0A$	$V_F$	0.55	V
Reverse Leakage Current at $V_R=V_{RM}$	$I_R$	5	mA
Reverse Leakage Current Under High Temperature at $V_R=V_{RM}, T_j=150^\circ\text{C}$	$H \cdot I_R$	35	mA
Thermal Resistance Between Junction and Lead	$R_{th}$	22	$^\circ\text{C/W}$



®

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