

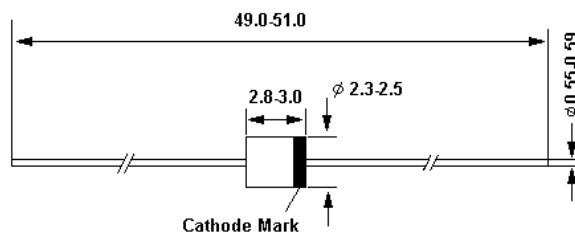
AK04

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



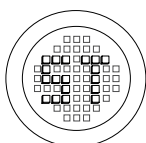
Dimensions in mm

Absolute Maximum Ratings (T_a = 25°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 ² t Limiting Value	I ² t	3.125	A ² s
Junction Temperature	T _j	-40 to +150	°C
Storage Temperature Range	T _s	-40 to +150	°C

Characteristics at T_{amb} = 25°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°C	H·I _R	35	mA
Thermal Resistance Between Junction and Lead	R _{th}	22	°C/W



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