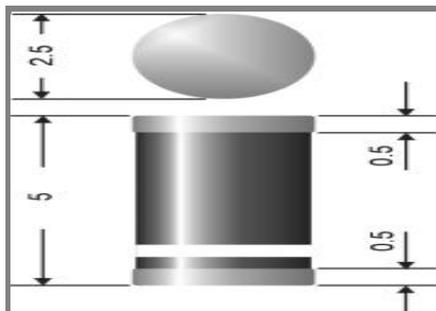


SDA 2AK, SDA 4AK



Surface mount diode

Bidirectional clamping diodes

SDA 2AK, SDA 4AK

Pulse Power Dissipation: 300 W

Maximum Stand-off voltage: 0,5...1,0 V

Features

- Max. solder temperature: 260°C
- Plastic material has UL classification 94V-0

Mechanical Data

- Plastic case Melf / DO-213AB
- Weight approx.: 0,12 g
- Terminals: plated terminals solderable per MIL-STD-750
- Mounting position: any
- Standard packaging: 5000 pieces per reel

- 1) Non-repetitive current pulse see curve $I_{PPM} = f(t_r)$
- 2) Mounted on P.C. board with 25 mm² copper pads at each terminal

Absolute Maximum Ratings		T _c = 25 °C, unless otherwise specified	
Symbol	Conditions	Values	Units
P _{PPM}	Peak pulse power dissipation (10/1000 μs waveform) ¹⁾ T _a = 25 °C	300	W
P _{M(AV)}	Steady state power dissipation ²⁾ , T _a = 25 °C	1	W
I _{FSM}	T _a = °C		A
R _{thA}	Max. thermal resistance junction to ambient ²⁾	45	K/W
R _{thT}	Max. thermal resistance junction to terminal		K/W
T _j	Operating junction temperature	-50...+150	°C
T _s	Storage temperature	-50...+175	°C
V _f	Max. instant. forw. voltage I _f = A ³⁾		V
			V

Type	Characteristics		Breakdown voltage@I _T		Test current I _T mA	Max. clamping voltage@I _{PPM}	
	Max stand-off voltage@I _D V _{WM} V	I _D μA	min. V	max. V		V _C V	I _{PPM} A
SDA 2AK	0,5	1000	0,8	1	1000	2	40
SDA 4AK	1	1000	1,6	2	1000	4	40

