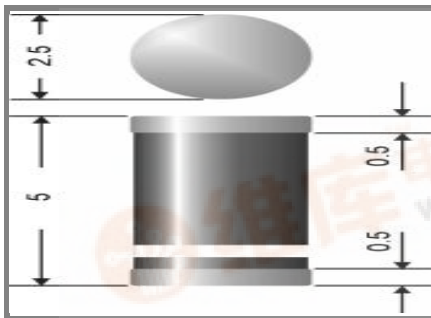


SDA 2AK, SDA 4AK



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

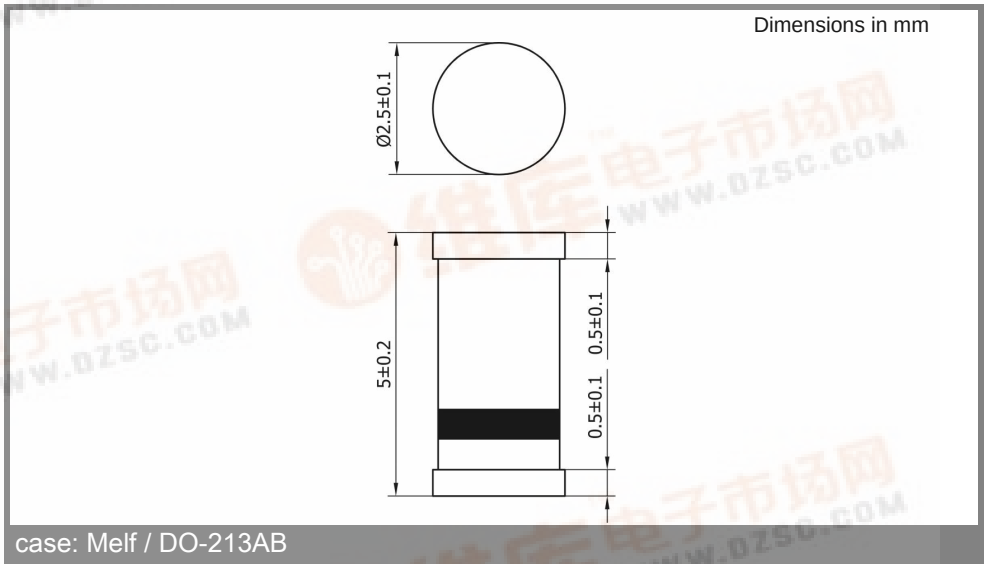
- 1) Non-repetitive current pulse see curve $I_{PPM} = f(t_r)$
- 2) Mounted on P.C. board with 25 mm² copper pads at each terminal

Absolute Maximum Ratings

$T_c = 25^\circ\text{C}$, unless otherwise specified

Symbol	Conditions	Values	Units
P_{PPM}	Peak pulse power dissipation (10/1000 μs waveform) ¹⁾ $T_a = 25^\circ\text{C}$	300	W
$P_{M(AV)}$	Steady state power dissipation ²⁾ , $T_a = 25^\circ\text{C}$	1	W
I_{FSM}	$T_a = ^\circ\text{C}$		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	$^\circ\text{C}$
T_s	Storage temperature	-50...+175	$^\circ\text{C}$
V_f	Max. instant. forw. voltage $I_f = A$ ³⁾		V
			V

Type	Max stand-off voltage@ I_D		Breakdown voltage@ I_T		Test current I_T mA	Max. clamping voltage@ I_{PPM}	
	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



case: Melf / DO-213AB