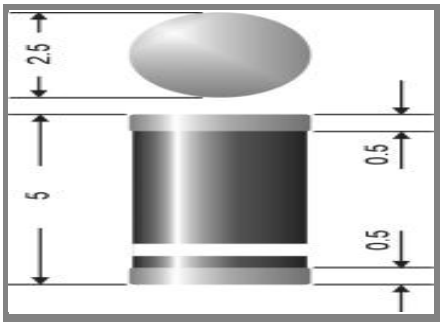
SDA 2AK, SDA 4AK



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

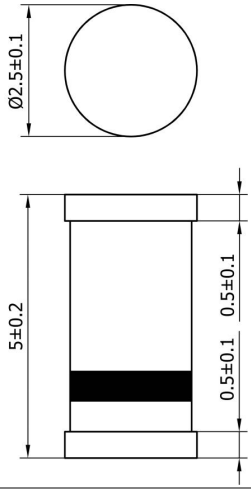
1) Non-repetitive current pulse see curve $I_{PPM} = f(t_r)$

2) Mounted on P.C. board with 25 mm^2 copper pads at each terminal

Absolute Maximum Ratings		Tc = 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 dissipation2), 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

Characteristics							
Type	Max stand-off voltage@I_D		Breakdown voltage@I_T		Test current I_T	Max. clamping voltage@I_{PPM}	
	V_{WM} V	I_D µA	min. V	max. V	mA	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

Dimensions in mm



case: Melf / DO-213AB

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