

BYP 60A05...BYP 60K6



Silicon Press-Fit-Diodes

BYP 60A05...BYP 60K6

Forward Current: 60 A

Reverse Voltage: 50 to 600 V

Publish Data

Features

- max. solder temperature 260°C
- UL classification 94V-0
- Standard packaging: bulk

Mechanical Data

- Weight approx. 10 g
- Terminals: plated terminals solderable per IEC 68-2-20
- Mounting position : any
- Metal press-fit case with plastic cover

Type	Wired to ANODE	Wired to CATHODE	Repetitive peak reverse voltage V_{RRM} V	Surge peak reverse voltage V_{RSM} V	Maximum forward voltage $T_j = 25\text{ }^{\circ}\text{C}$ $I_F = 60\text{ A}$ V_F V
BYP 60	BYP 60A05	BYP 60K05	50	60	1,1
BYP 60	BYP 60A1	BYP 60K1	100	120	1,1
BYP 60	BYP 60A2	BYP 60K2	200	240	1,1
BYP 60	BYP 60A3	BYP 60K3	300	360	1,1
BYP 60	BYP 60A4	BYP 60K4	400	480	1,1
BYP 60	BYP 60A6	BYP 60K6	600	700	1,1

Absolute Maximum Ratings

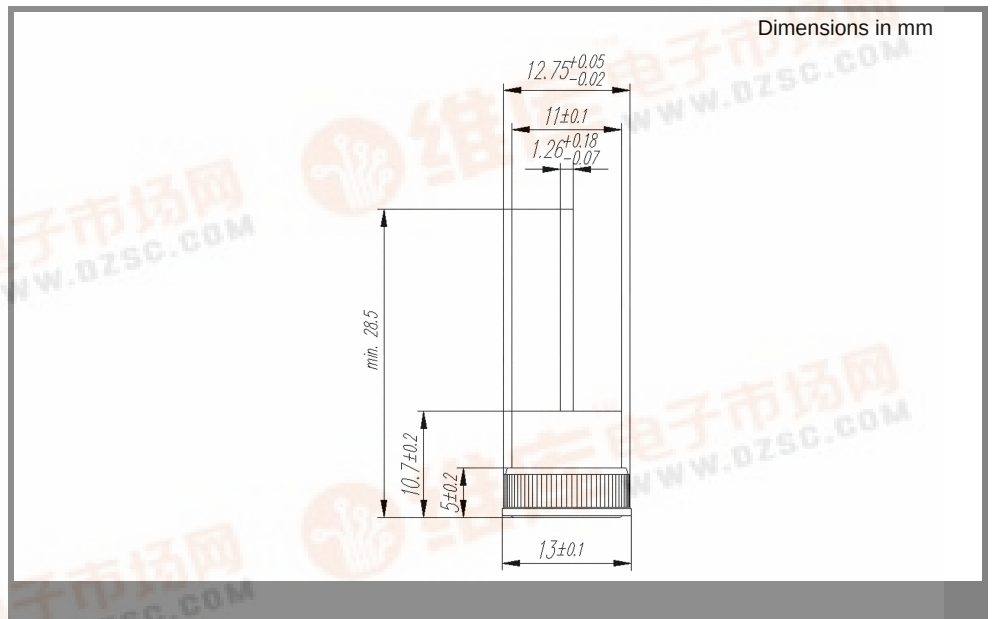
$T_c = 25\text{ }^{\circ}\text{C}$, unless otherwise specified

Symbol	Conditions	Values	Units
I_{FAV}	Max. averaged fwd. current, R-load, $T_c = 150\text{ }^{\circ}\text{C}$	60	A
I_{FRM}	Repetitive peak forward current $f > 15\text{ Hz}^{1)}$	120	A
I_{FSM}	Peak fwd. surge current 50 Hz half sinus-wave	450	A
I^2t	Rating for fusing, $t < 10\text{ ms}$	1000	A ² s
R_{thA}	Thermal resistance junction to case	0,6	K/W
T_j	Operating junction temperature	- 50 ... + 215	$^{\circ}\text{C}$
T_s	Storage temperature	- 50 ... + 215	$^{\circ}\text{C}$

Characteristics

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

Symbol	Conditions	Values	Units
I_R	Maximum leakage current, $T_A\text{ } 25\text{ }^{\circ}\text{C}$; $V_R = V_{RRM}$	100	μA



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