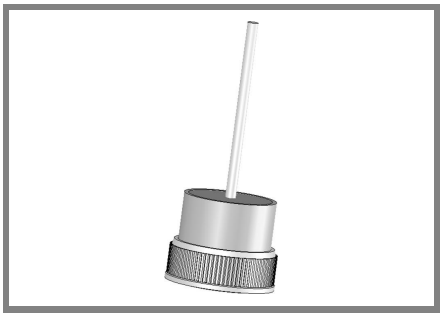
BYP 35A05...BYP 35K6



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 °C I_F = 35 A V_F V
BYP 35	BYP 35A05	BYP 35K05	50	60	1,1
BYP 35	BYP 35A1	BYP 35K1	100	120	1,1
BYP 35	BYP 35A2	BYP 35K2	200	240	1,1
BYP 35	BYP 35A3	BYP 35K3	300	360	1,1
BYP 35	BYP 35A4	BYP 35K4	400	480	1,1
BYP 35	BYP 35A6	BYP 35K6	600	700	1,1

Silicon Press-Fit-Diodes

BYP 35A05...BYP 35K6

Forward Current: 35 A

Reverse Voltage: 50 to 600 V

Publish Data

Features

- max. solder temperature 260°C, mac. 5s
- UL classification 94V-0
- Standard packaging: bulk

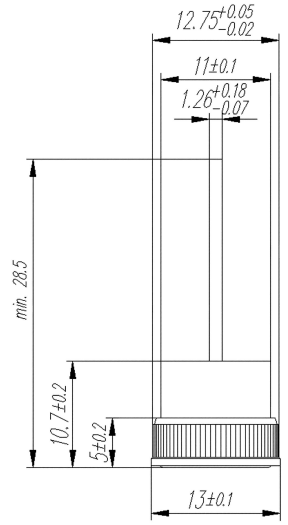
Mechanical Data

- Metal press-fit case with plastic cover
- Weight approx. 8 g
- Terminals: plated terminals solderable per IEC 68-2-20
- Mounting position : any

Absolute Maximum Ratings		T_c = 25 °C, unless otherwise specified	
Symbol	**Conditions**	**Values**	**Units**
I_{FAV}	Max. averaged fwd. current, R-load, T_c = 150 °C	35	A
I_{FRM}	Repetitive peak forward current f > 15 Hz[1)]	110	A
I_{FSM}	Peak fwd. surge current 50 Hz half sinus-wave	360	A
I^2t	Rating for fusing, t < 10 ms	660	A^2s
R_{thA}	Thermal resistance junction to case	0,8	K/W
T_j	Operating junction temperature	- 50 ... + 215	°C
T_s	Storage temperature	- 50 ... + 215	°C

Characteristics		T_c = 25 °C, unless otherwise specified	
Symbol	**Conditions**	**Values**	**Units**
I_R	Maximum leakage current, T_A 25 °C; $V_R = V_{RRM}$	100	µA

Dimensions in mm



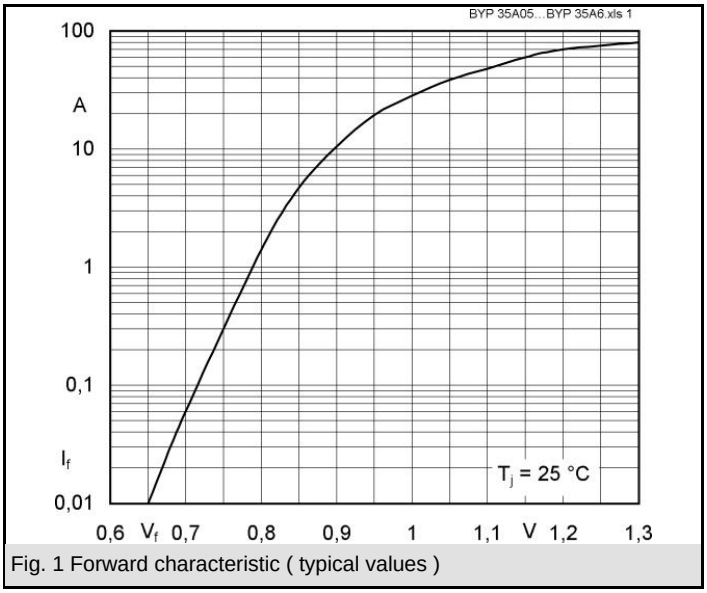


Fig. 1 Forward characteristic (typical values)

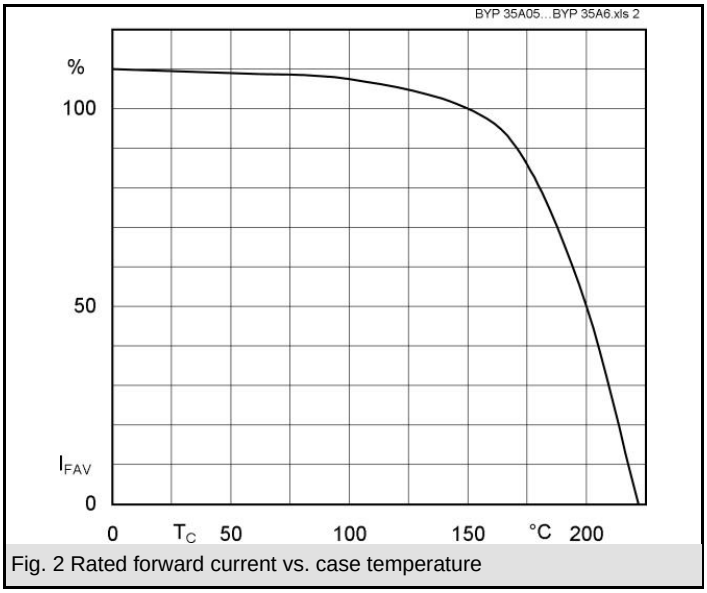


Fig. 2 Rated forward current vs. case temperature

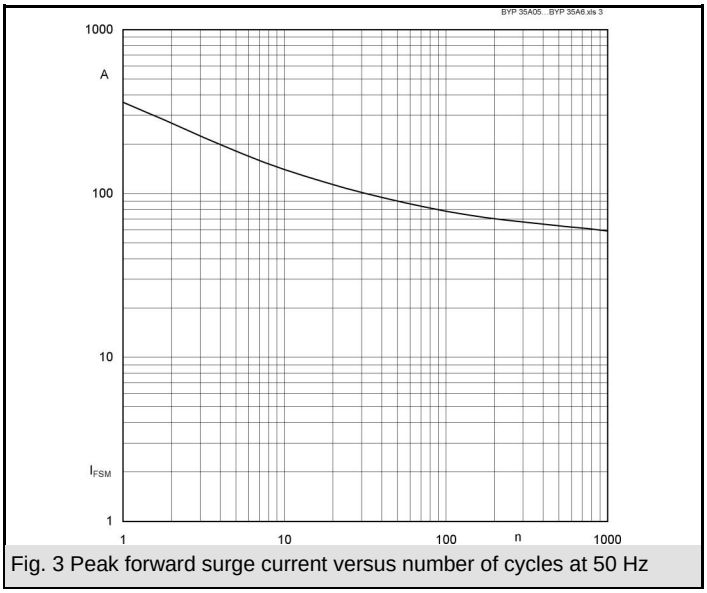


Fig. 3 Peak forward surge current versus number of cycles at 50 Hz

