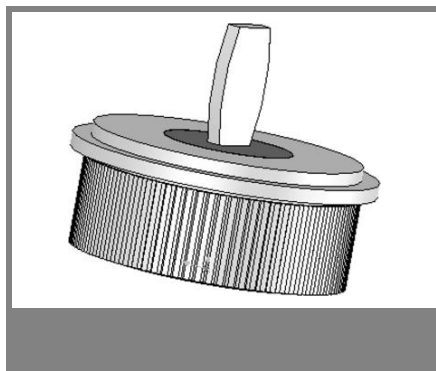


# KYZ 35A05 ... KYZ 35K6



## Silicon Press-Fit-Diodes

### KYZ 35A05...KYZ 35K6

**Forward Current: 35 A**

**Reverse Voltage: 50 to 600 V**

Publish Data

### Features

- max. solder temperature 260 °C, max. 5s

### Mechanical Data

- Metal press-fit case with glass seal
- Weight approx. 10 g
- Standard packaging: bulk
- Mounting position: any

Type	Wired to ANODE	Wired to CATHODE	Repetitive peak reverse voltage  $V_{RRM}$ V	Surge peak reverse voltage  $V_{RSM}$ V	Maximum forward voltage $T_j = 25\text{ °C}$ $I_F = 35\text{ A}$ $V_F$ V
KYZ 35	KYZ 35A05	KYZ 35K05	50	60	1,1
KYZ 35	KYZ 35A1	KYZ 35K1	100	120	1,1
KYZ 35	KYZ 35A2	KYZ 35K2	200	240	1,1
KYZ 35	KYZ 35A3	KYZ 35K3	300	360	1,1
KYZ 35	KYZ 35A4	KYZ 35K4	400	480	1,1
KYZ 35	KYZ 35A6	KYZ 35K6	600	700	1,1

Absolute Maximum Ratings		$T_c = 25\text{ °C}$ unless otherwise specified	
Symbol	Conditions	Values	Units
$I_{FAV}$	Max. averaged fwd. current, R-load, $T_c = 100\text{ °C}$	35	A
$I_{FRM}$	Repetitive peak forward current $f > 15\text{ Hz}^{1)}$	110	A
$I_{FSM}$	Peak fwd. surge current 50 Hz half sinus-wave	360	A
$I^2t$	Rating for fusing, $t < 10\text{ ms}$	660	A <sup>2</sup> s
$R_{thA}$	Thermal resistance junction to case	0,8	K/W
$T_j$	Operating junction temperature	- 50 ... + 175 °C	°C
$T_s$	Storage temperature	- 50 ... + 175 °C	°C

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

