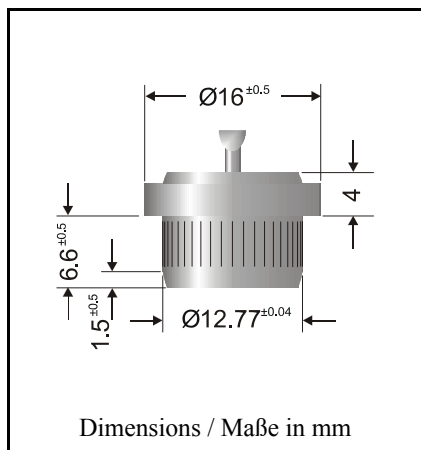


Silicon Press-Fit-Diodes

Silizium-Einpreßdioden



Nominal current – Nennstrom 25 A

Repetitive peak reverse voltage 50...600 V

Periodische Spitzensperrspannung

Metal press-fit case with glass seal

Metall-Einpreßgehäuse mit Glasdurchführung

Weight approx. – Gewicht ca. 10 g

Standard packaging: bulk

Standard Lieferform: lose im Karton

Maximum ratings

Grenzwerte

Type / Typ	Wire to / Draht an	Repetitive peak reverse voltage	Surge peak reverse voltage
Anode	Cathode	Periodische Spitzensperrspannung.	Stoßspitzensperrspannung
		V_{RRM} [V]	V_{RSM} [V]
KYZ 25A05	KYZ 25K05	50	60
KYZ 25A1	KYZ 25K1	100	120
KYZ 25A2	KYZ 25K2	200	240
KYZ 25A3	KYZ 25K3	300	360
KYZ 25A4	KYZ 25K4	400	480
KYZ 25A6	KYZ 25K6	600	700

Max. average forward rectified current, R-load $T_C = 100^\circ\text{C}$ I_{FAV} 25 A
Dauergrenzstrom in Einwegschaltung mit R-Last

Repetitive peak forward current $f > 15\text{ Hz}$ I_{FRM} 80 A ¹⁾
Periodischer Spitzenstrom

Peak forward surge current, 50 / 60 Hz half sine-wave $T_A = 25^\circ\text{C}$ I_{FSM} 270 / 300 A
Stoßstrom für eine 50 / 60 Hz Sinus-Halbwellen

Rating for fusing – Grenzlastintegral, $t < 10\text{ ms}$ $T_A = 25^\circ\text{C}$ i^2t 375 A²s

Operating junction temperature – Sperrschichttemperatur T_j – 50...+175 °C
Storage temperature – Lagerungstemperatur T_s – 50...+175 °C

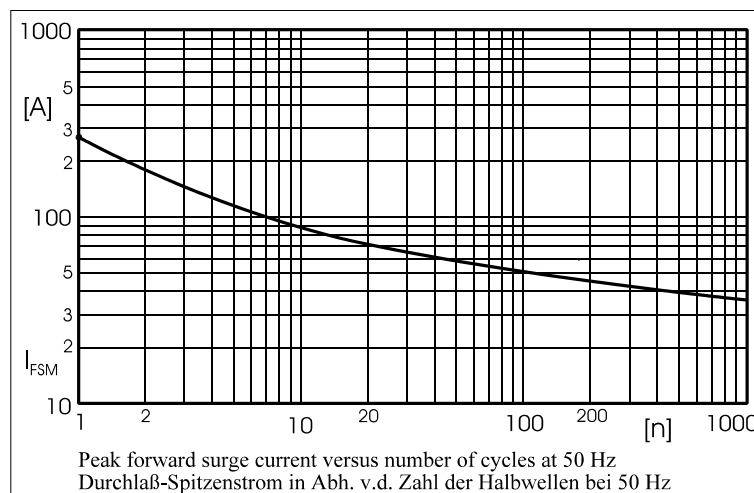
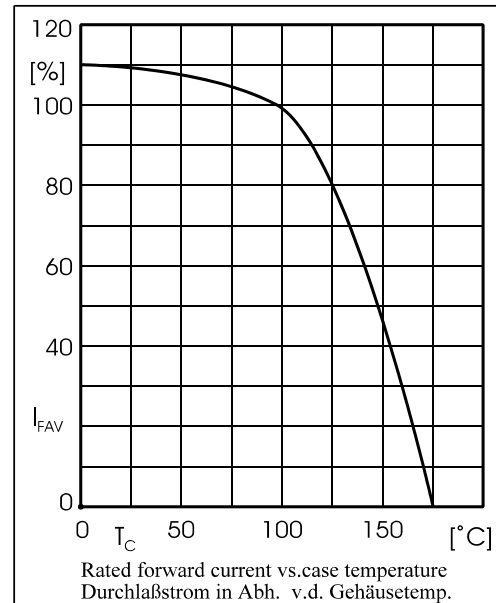
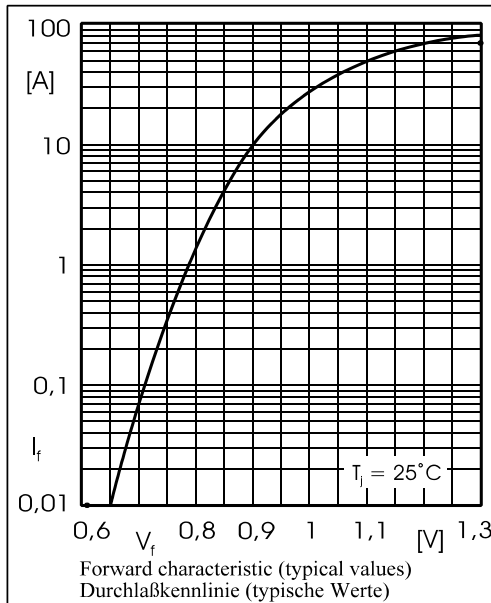
Maximum pressure – Maximaler Einpreßdruck 7 kN

¹⁾ Max. case temperature $T_C = 150^\circ\text{C}$ – Max. Gehäusetemperatur $T_C = 150$

Characteristics

Kennwerte

Forward voltage – Durchlaßspannung	$T_j = 25^\circ\text{C}$	$I_F = 25\text{ A}$	V_F	$< 1.1\text{ V}$
Leakage current – Sperrstrom	$T_j = 25^\circ\text{C}$	$V_R = V_{RRM}$	I_R	$< 100\text{ }\mu\text{A}$
Thermal resistance junction to case Wärmewiderstand Sperrschicht – Gehäuse			R_{thC}	$< 1\text{ K/W}$



Replacements / Ersatztypen			
New - Neu	Old - Alt	New - Neu	Old - Alt
KYZ 25K05	KYZ70 Pin	KYZ 25A05	KYZ 75 Pin
KYZ 25K1	KYZ71 Pin	KYZ 25A1	KYZ 76 Pin
KYZ 25K2	KYZ72 Pin	KYZ 25A2	KYZ 77 Pin
KYZ 25K3	KYZ73 Pin	KYZ 25A3	KYZ 78 Pin
KYZ 25K4	KYZ74 Pin	KYZ 25A4	KYZ 79 Pin