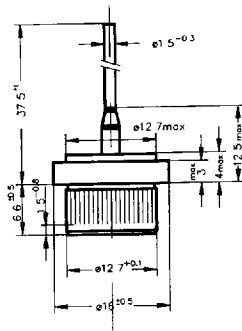


Silizium-Einpreßdiode

DIOTEC ELEKTRONISCHE

Nominal current 20 A
 Repetitive peak reverse voltage 50...400 V



Rectifier in metal Pressfit - case with wire terminal
 Weight approx. 10 g

All dimensions in mm

Maximum ratings

Type	Cathode at wire	Anode	Repetitive peak reverse voltage V_{RRM} [V]	Surge peak reverse voltage V_{RSM} [V]
KYZ70		KYZ75	50	60
KYZ71		KYZ76	100	120
KYZ72		KYZ77	200	240
KYZ73		KYZ78	300	360
KYZ74		KYZ79	400	480

Nominal current with resistive load, $T_A = 50^\circ\text{C}$ I_{FAV} 20 A¹⁾

Maximum Power dissipation P_{tot} 24 W

Surge forward current half cycle sine wave starting at $T_J=25^\circ\text{C}$ I_{FSM} 300 A

Junction temperature T_J 155 °C

Operating temperature T_A -40 - 150 °C

Storage temperature T_S -40 - 150 °C

Maximum Pressure 7 kN

¹⁾ Valid, if leads are kept at ambient temperature at a distance of 10mm from case.

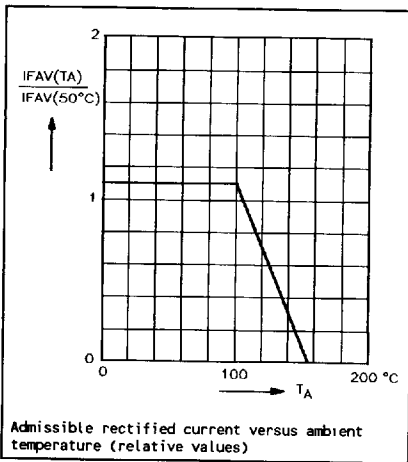
DIOTEC ELEKTRONISCHE

Characteristics

Forward voltage at $I_F = 20 \text{ A}$, $T_j = 25 \text{ }^\circ\text{C}$ $V_F < 1.1 \text{ V}$

Leakage current at V_{RRM} , $T_j = 25 \text{ }^\circ\text{C}$ $I_R < 100 \text{ } \mu\text{A}$

Thermal resistance Junction - Case $R_{THJC} < 1.5 \text{ K/W}$



Marking of the leads :

Type	Ring1	Ring2	Type	Ring1	Ring2
KYZ70	red	-	KYZ75	blue	-
KYZ71	red	red	KYZ76	blue	blue
KYZ72	red ¹⁾	-	KYZ77	blue ¹⁾	-
KYZ73	red ¹⁾	-	KYZ78	blue ¹⁾	-
KYZ74	red ¹⁾	-	KYZ79	blue ¹⁾	-

¹⁾ Ink - spot