

GERMANIUM GOLD BONDED DIODE

Germanium gold bonded diode in single ended all glass construction.

RATINGS (Limiting values) ¹⁾

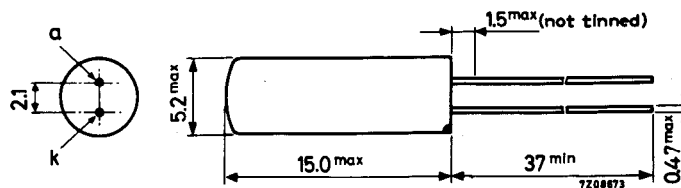
		$T_{amb} = 25\text{ }^{\circ}\text{C}$	$T_{amb} = 75\text{ }^{\circ}\text{C}$
Continuous reverse voltage	V_R	max. 100	50 V
Repetitive peak reverse voltage	V_{RRM}	max. 100	50 V
Average forward current	I_{FAV}	max. 125	50 mA
Repetitive peak forward current	I_{FRM}	max. 350	350 mA
Non rep. peak forw. current; $t < 1\text{ s}$ $t < 1\text{ }\mu\text{s}; \delta = 0.01$	I_{FSM}	max. 500	mA
	I_{FSM}	max. 1000	mA
Operating ambient temperature	T_{amb}	max.	75 $^{\circ}\text{C}$
Storage temperature	T_{stg}		-55 to +90 $^{\circ}\text{C}$

CHARACTERISTICS

		$T_{amb} = 25\text{ }^{\circ}\text{C}$	$T_{amb} = 60\text{ }^{\circ}\text{C}$
<u>Forward voltage</u>			
$I_F = 0.1\text{ mA}$	V_F	0.10 to 0.25	0.03 to 0.20 V
$I_F = 10\text{ mA}$	V_F	0.25 to 0.55	0.20 to 0.50 V
$I_F = 200\text{ mA}$	V_F	0.50 to 1.0	0.48 to 1.0 V
$I_F = 300\text{ mA}$	V_F	0.55 to 1.25	0.55 to 1.25 V
<u>Reverse current</u>			
$V_R = 1.5\text{ V}$	I_R	0.2 to 5	5 to 26 μA
$V_R = 10\text{ V}$	I_R	0.3 to 6	5.5 to 30 μA
$V_R = 50\text{ V}$	I_R	0.45 to 9	7.5 to 60 μA
$V_R = 100\text{ V}$	I_R	0.7 to 30	10 to 120 μA

MECHANICAL DATA

Dimensions in mm



The red dot indicates the cathode side

¹⁾ Limiting values according to the Absolute Maximum System as defined in IEC publication 134.

