

GERMANIUM GOLD BONDED DIODE

Germanium gold bonded diode in single ended all glass construction intended for switching applications.

RATINGS (Limiting values)

Continuous reverse voltage	V_R	max.	25 V
Repetitive peak reverse voltage	V_{RRM}	max.	25 V
Non repetitive peak reverse voltage ($t_{\text{off}} \leq 1$ s)	V_{RSM}	max.	40 V
Average forward current: $T_{\text{amb}} = 25$ °C	I_{FAV}	max.	160 mA
	I_{FAV}	max.	70 mA
Forward current (d.c.) $T_{\text{amb}} = 25$ °C	I_F	max.	270 mA
	I_F	max.	90 mA
Repetitive peak forward current	I_{FRM}	max.	500 mA
Non repetitive peak forward current ($t < 1$ s)	I_{FSM}	max.	800 mA
Operating ambient temperature	T_{amb}	max.	75 °C
Storage temperature	T_{stg}		-55 to +90 °C

THERMAL RESISTANCE

From junction to ambient $R_{th\ j-a} = 0.35$ °C/mW

CHARACTERISTICS

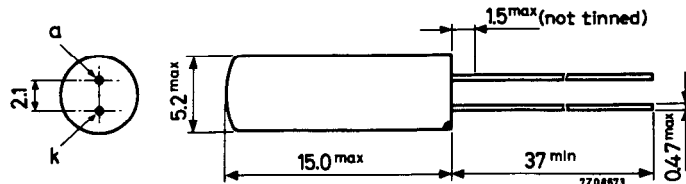
		$T_{\text{amb}} = 25$ °C	$T_{\text{amb}} = 60$ °C
<u>Forward voltage</u>	$I_F = 0.1$ mA	$V_F < 0.21$	< 0.15 V
	$I_F = 10$ mA	$V_F < 0.41$	< 0.35 V
	$I_F = 500$ mA	$V_F < 0.90$	V
<u>Reverse current</u>	$V_R = 1.5$ V	$I_R < 3.5$	< 20 μA
	$V_R = 10$ V	$I_R < 10$	< 45 μA
	$V_R = 25$ V	$I_R < 50$	< 100 μA

Reverse recovery current when switched from $I_F = 400$ mA to $V_R = 10$ V; $T_{\text{amb}} = 25$ °C measured at $t_{rr} = 3.5$ μs

$I_R < 150$ μA

MECHANICAL DATA

Dimensions in mm



The red dot indicates the cathode side

