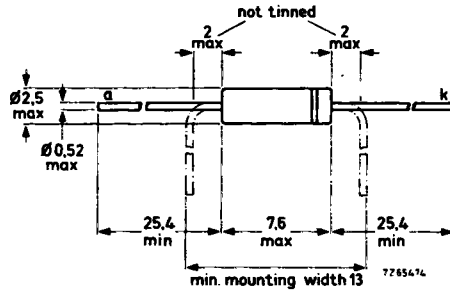


POINT CONTACT DIODE

Germanium diode in all-glass DO-7 envelope intended for general purposes.

MECHANICAL DATA

Dimensions in mm



The coloured band indicates the cathode

RATINGS Limiting values in accordance with the Absolute Maximum System (IEC134)

Average reverse voltage (averaged over any 20 ms period)	V_R	max.	90 V
Repetitive peak reverse voltage	V_{RRM}	max.	115 V
Average forward current (averaged over any 20 ms period)	$I_F(AV)$	max.	50 mA
Repetitive peak forward current	I_{FRM}	max.	150 mA
Non-repetitive peak forward current ($t < 1$ s)	I_{FSM}	max.	500 mA
Storage temperature	T_{stg}	-55 to +75	°C
Ambient temperature	T_{amb}	-55 to +75	°C

THERMAL RESISTANCE

From junction to ambient in free air

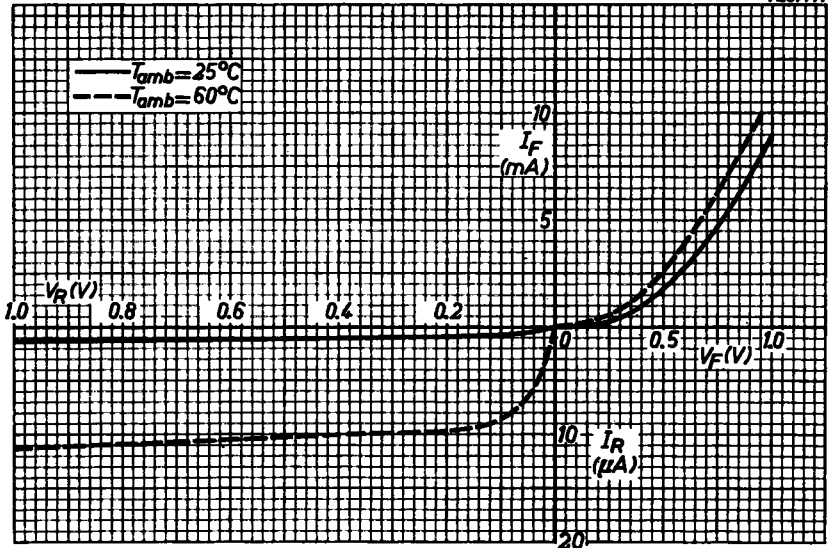
$$R_{th\ j-a} = 0.55\ ^\circ\text{C}/\text{mW}$$

CHARACTERISTICS

Forward voltage

	$T_{amb} = 25^\circ\text{C}$	$T_{amb} = 60^\circ\text{C}$
$I_F = 0.1$ mA	V_F typ. 0.18 0.1 to 0.25	typ. 0.1 V 0.05 to 0.2 V
$I_F = 10$ mA	V_F typ. 1.05 0.65 to 1.5	typ. 0.95 V 0.55 to 1.4 V
$I_F = 30$ mA	V_F typ. 1.85 1.0 to 2.6	typ. 1.75 V 0.9 to 2.5 V
<u>Reverse current</u> $V_R = 1.5$ V	I_R typ. 1.2 0.4 to 4.5	typ. 12 μA 5.5 to 26 μA
$V_R = 10$ V	I_R typ. 2.5 0.8 to 7	typ. 17 μA 8 to 40 μA
$V_R = 75$ V	I_R typ. 35 5.7 to 110	typ. 100 μA 20 to 250 μA
$V_R = 100$ V	I_R typ. 80 10 to 250	typ. 200 μA 30 to 430 μA

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