

GERMANIUM DIODE

Germanium diode in all glass construction for use in video detector circuits.

RATINGS (Limiting values according to the Absolute Maximum System as defined in IEC publication 134)

Continuous reverse voltage	V_R	max.	20 V
Peak reverse voltage	V_{RM}	max.	30 V
Forward current (d.c.)	I_F	max.	50 mA
Peak forward current	I_{FM}	max.	150 mA
Non repetitive peak forward current; $t = 1$ s	I_{FSM}	max.	400 mA
Operating ambient temperature	T_{amb}		-50 to +75 °C

CHARACTERISTICS

Forward voltage at $T_{amb} = 25$ °C

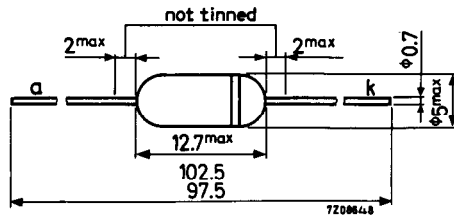
$I_F = 0.1$ mA	V_F	0.1 to 0.2 V
$I_F = 8$ mA	V_F	0.5 to 1.0 V

Reverse current at $T_{amb} = 25$ °C

$V_R = 1.5$ V	I_R	1 to 18 μ A
$V_R = 10$ V	I_R	8 to 100 μ A
$V_R = 20$ V	I_R	25 to 400 μ A
$V_R = 30$ V	I_R	45 to 1200 μ A
<u>Diode capacitance</u>	C_d	typ. 1 pF

MECHANICAL DATA

Net weight: 0.6 g



Dimensions in mm

The coloured band indicates the cathode side

FOR NEW DESIGN THE SUCCESSOR TYPE OA90 IS RECOMMENDED