

Obsolete



Micro Commercial Components



Micro Commercial Components
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DL4150

200mA
Small Signal
Diodes
50 Volts

MINIMELF(SOD-80C)

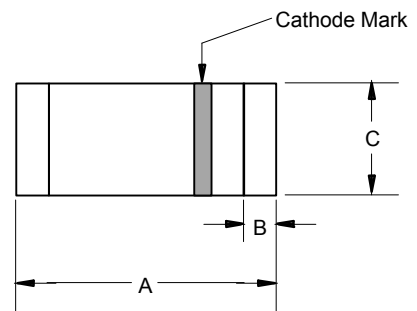
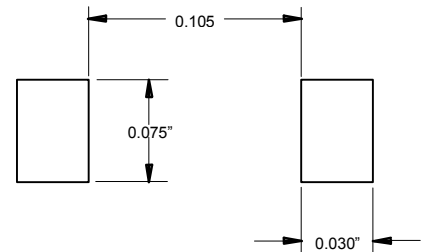


Table with 5 columns: DIM, INCHES (MIN, MAX), MM (MIN, MAX), and NOTE. Rows include dimensions A, B, and C.

SUGGESTED SOLDER PAD LAYOUT



Features

- For general purpose and switching
Silicon Epitaxial Planar Diodes
These diodes are also available in other case styles including: the DO-35 case with the type designations 1N4150, the SOD-123 case with the type designations 1N4150W
Lead Free Finish/RoHS Compliant(Note 1) ("P" Suffix designates Compliant. See ordering information)
Epoxy meets UL 94 V-0 flammability rating
Moisture Sensitivity Level 1

Maximum Ratings @ 25°C Unless Otherwise Specified

Table with 4 columns: Parameter, Symbol, Value, Condition. Rows include Working Inverse Voltage, Maximum Rectified Current (Average), DC Forward Current, Recurrent Peak Forward Current, Peak Forward Surge Current, Storage Temperature Range, and Operating Junction Temperature.

Thermal Characteristics @ 25°C Unless Otherwise Specified

Table with 4 columns: Parameter, Symbol, Value, Condition. Rows include Total Device Dissipation Derate above 25°C and Thermal Resistance, Junction to Ambient.

Note:1.Lead in Glass Exemption Applied, see EU Directive Annex 5.

**Electrical Characteristics @ 25°C Unless Otherwise Specified**

Parameter	Symbol	Min	Max	Units	Test Conditions
Breakdown Voltage	$B_V$	75	---	V	$I_R=5.0 \mu A$
Reverse Current	$I_R$	---	100	nA $\mu A$	$V_R=50V$ $V_R=50V, T_A=150^\circ C$
Forward Voltage	$V_F$	540 660 760 820 0.57	620 740 860 920 1.0	mV mV mV mV V	$I_F=1.0mA$ $I_F=10mA$ $I_F=50mA$ $I_F=100mA$ $I_F=200mA$
Diode Capacitance	$C_O$	---	2.5	pF	$V_R=0V, f=1.0MHz$
Reverse Recovery Time	$T_{RR}$	---	4.0 6.0	nS nS	$I_F=I_R=10mA-200mA, R_L=100 \Omega$ $I_F=I_R=200mA-400mA, R_L=100 \Omega$
Forward Recovery Time	$T_{FR}$	---	10	nS	$I_F=200mA, V_{FR}=1.0V$



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Ordering Information :

Device	Packing
Part Number-TP	Tape&Reel: 2.5Kpcs/Reel

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