



Micro Commercial Components 20736 Marilla Street Chatsworth CA 91311

Phone: (818) 701-4933 Fax: (818) 701-4939 **DL4150**

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% Unless Otherwise Specified

Parameter	Symbol	Value	Condition
Working Inverse Voltage	W_{IV}	50V	
Maximum Rectified Current (Average)	I _o	200mA	
DC Forward Current	I _F	400mA	
Recurrent Peak Forward Current	İf	600mA	
Peak Forward Surge Current	İ _{f(surge)}	1.0A 4.0A	Pulse Width=1.0s Pulse Width=1.0 μ s
Storage Temperature Range	T _{stg}	-65℃to +200℃	
Operating Junction Temperature	TJ	175℃	

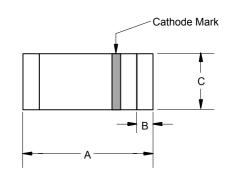
Thermal Characteristics @ 25°C Unless Otherwise Specified

Total Device Dissipation Derate above 25℃	P _D	500mW 3.33mW/℃	
Thermal Resistance, Junction to Ambient	R _{® JA}	300℃/W	

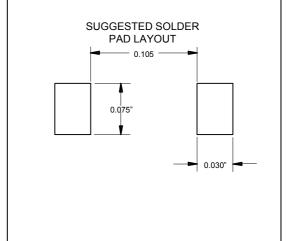
Note:1.Lead in Glass Exemption Applied, see EU Directive Annex 5.

200mA Small Signal Diodes 50 Volts

MINIMELF(SOD-80C)



DIMENSION					
DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
Α	.130	.146	3.30	3.70	
В	.008	.016	0.20	0.40	
С	.055	.059	1.40	1.50	



DL4150



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Electrical Characteristics@ 25℃ Unless Otherwise Specified

Parameter	Symbol	Min	Max	Units	Test Conditions
Breakdown Voltage	B _V	75		V	I _R =5.0 μ A
Reverse Current	I _R		100 100	nA μ A	V _R =50V V _R =50V,T _A =150°C
Forward Voltage	V _F	540 660 760 820 0.57	620 740 860 920 1.0	mV mV mV V	$I_{F}=1.0\text{mA}$ $I_{F}=10\text{mA}$ $I_{F}=50\text{mA}$ $I_{F}=100\text{mA}$ $I_{F}=200\text{mA}$
Diode Capacitance	Co		2.5	pF	V _R =0V, f=1.0MHz
Reverse Recovery Time	T _{RR}		4.0 6.0	nS nS	$I_F=I_R=10$ mA-200mA, $R_L=100$ Ω $I_F=I_R=200$ mA-400mA, $R_L=100$ Ω
Forward Recovery Time	T _{FR}		10	nS	I _F =200mA, V _{FR} =1.0V



Ordering Information:

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

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