Dual Diode Common Anode

MAXIMUM RATINGS (EACH DIODE)

Rating	Symbol	Value	Unit
Reverse Voltage	V _R	70	Vdc
Peak Forward Recurrent Current	١ _F	200	mAdc
Peak Forward Surge Current (Pulse Width = 10 µsec)	I _{FM(surge)}	500	mAdc
Total Device Dissipation @ T _A = 25°C Derate above 25°C	P _D ⁽¹⁾	625 5.0	mW mW/°C
Operating and Storage Junction Temperature Range	T _J , T _{stg} ⁽¹⁾	-55 to +135	0°



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ELECTRICAL CHARACTERISTICS (T_A = 25°C unless otherwise noted) (EACH DIODE)

Characteristic	Symbol	Min	Тур	Max	Unit
Breakdown Voltage (I _(BR) = 100 μAdc)	V _(BR)	70		_	Vdc
Reverse Current (V _R = 50 Vdc)	I _R			0.1	μAdc
Forward Voltage (I _F = 10 mAdc)	V _F		0.80	1.0	Vdc
Capacitance (V _R = 0)	С		5.0	8.0	pF
Reverse Recovery Time (I _F = I _R = 10 mAdc, V _R = 5.0 Vdc, i _{rr} = 1.0 mAdc)	t _{rr}			100	ns

1. Continuous package improvements have enhanced these guaranteed Maximum Ratings as follows: $P_D = 1.0 \text{ W} @ T_C = 25^{\circ}\text{C}$, Derate above 8.0 mW/°C, $P_D = 10 \text{ W} @ T_C = 25^{\circ}\text{C}$, Derate above 8.0 mW/°C, T_J , $T_{stg} = -55$ to $+150^{\circ}\text{C}$, $\theta JC = 12.5^{\circ}\text{C}/\text{W}$, $\theta JA = 125^{\circ}\text{C}$.

MSD6150

TYPICAL CHARACTERISTICS

Curves Applicable to Each Cathode



MSD6150

PACKAGE DIMENSIONS



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