MAXIMUM RATINGS

WAXIMOW TATITOO				
Rating	Symbol	Value	Unit	
Reverse Voltage	VR	70	Vdc	
Recurrent Peak Forward Current	lF	200	mA	
Peak Forward Surge Current (Pulse Width = 10 μs)	IFM(surge)	500	mA	
Power Dissipation @ T _A = 25°C Derate above 25°C	P _D (1)	625 5.0	mW mW/°C	
Operating and Storage Junction Temperature Range	TJ, T _{stg} (1)	- 55 to + 135	°C	

⁽¹⁾ Continuous package improvements have enhanced these guaranteed Maximum Ratings as follows: PD = 1.0 W @ T_C = 25°C, Derate above 25°C — 8.0 mW/°C, T_J = -65 to +150°C, θ_JC = 125°C/W.

MSD6102

CASE 29-02, STYLE 3 TO-92 (TO-226AA)

DUAL DIODE COMMON CATHODE

FI FCTRICAL CHARACTERISTICS (TA = 25°C unless otherwise noted.)

Characteristic	Symbol	Min	Max	Unit
Breakdown Voltage (I(βR) = 100 μAdc)	V _(BR)	70		Vdc
Reverse Current (VR = 50 Vdc)	IR	_	0.1	μAdc
Forward Voltage (Ip = 10 mAdc)	VF	-	1.0	Vdc
Capacitance (VR = 0)	С	_	3.0	pF
Reverse Recovery Time (I _F = I _R = 10 mAdc, V _R = 5.0 Vdc, i _{rr} = 1.0 mAdc)	t _{rr}	_	100	ns