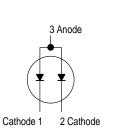
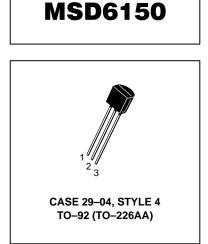
# Dual Diode Common Anode





#### **MAXIMUM RATINGS (EACH DIODE)**

Rating	Symbol	Value	Unit	
Reverse Voltage	VR	70	Vdc	
Peak Forward Recurrent Current	١F	200	mAdc	
Peak Forward Surge Current (Pulse Width = 10 μsec)	IFM(surge)	500	mAdc	
Total Device Dissipation @ T <sub>A</sub> = 25°C Derate above 25°C	P <sub>D</sub> (1)	625 5.0	mW mW/°C	
Operating and Storage Junction Temperature Range	T <sub>J</sub> , T <sub>stg</sub> (1)	-55 to +135	°C	

### ELECTRICAL CHARACTERISTICS (T<sub>A</sub> = 25°C unless otherwise noted) (EACH DIODE)

Characteristic	Symbol	Min	Тур	Max	Unit
Breakdown Voltage (I <sub>(BR)</sub> = 100 μAdc)	V <sub>(BR)</sub>	70	—	—	Vdc
Reverse Current (V <sub>R</sub> = 50 Vdc)	۱ <sub>R</sub>	-	_	0.1	μAdc
Forward Voltage (I <sub>F</sub> = 10 mAdc)	V <sub>F</sub>	-	0.80	1.0	Vdc
Capacitance (V <sub>R</sub> = 0)	С	-	5.0	8.0	pF
Reverse Recovery Time ( $I_F = I_R = 10 \text{ mAdc}, V_R = 5.0 \text{ Vdc}, i_{rr} = 1.0 \text{ mAdc}$ )	t <sub>rr</sub>	-	—	100	ns

1. Continuous package improvements have enhanced these guaranteed Maximum Ratings as follows:  $P_D = 1.0 \text{ W} @ T_C = 25^{\circ}C$ , Derate above 8.0 mW/°C,  $P_D = 10 \text{ W} @ T_C = 25^{\circ}C$ , Derate above 80 mW/°C,  $T_J$ ,  $T_{stg} = -55$  to  $+150^{\circ}C$ ,  $\theta JC = 12.5^{\circ}C/W$ ,  $\theta JA = 125^{\circ}C$ .



## **TYPICAL CHARACTERISTICS**

### **Curves Applicable to Each Cathode**

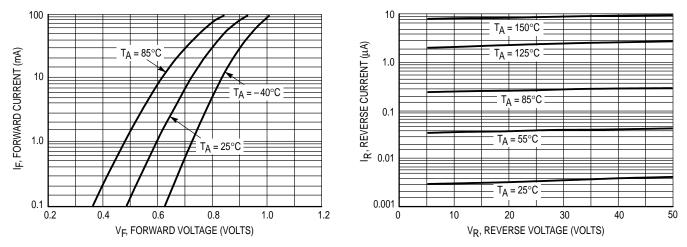


Figure 1. Forward Voltage

Figure 2. Leakage Current

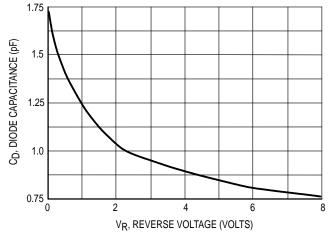
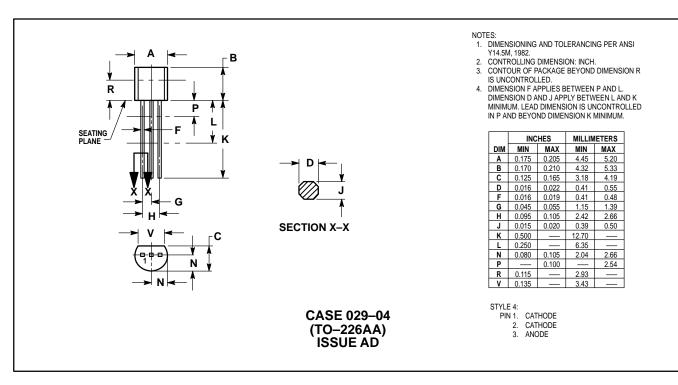


Figure 3. Capacitance

### PACKAGE DIMENSIONS



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