



# low-leakage pico-amp diodes designed for . . .

- High Impedance Diode Switching
- High Dynamic Range Log Amps
- High Isolation Protection Circuits

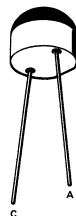
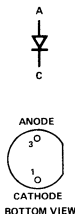
**BENEFITS**

- Low Cost

TO-106  
See Section 5

**ABSOLUTE MAXIMUM RATINGS**

Forward Current . . . . . 10 mA  
 Total Device Dissipation . . . . . 250 mW  
 Storage Temperature Range . . . . . -65°C to +125°C  
 Lead Temperature  
 (1/16" from case for 10 seconds) . . . . . 260°C



**ELECTRICAL CHARACTERISTICS (25°C)**

Characteristic		Min	Typ	Max	Unit	Test Conditions
S T A T I C	I <sub>R</sub> Reverse Current (Note 1)	EPAD50		-50	pA	V <sub>R</sub> = -20 V
		EPAD100		-100		
		EPAD200		-200		
		EPAD500		-500		
5	BV <sub>R</sub> Breakdown Voltage (Reverse)	-35	-80		V	I <sub>R</sub> = -1 μA
	V <sub>F</sub> Forward Voltage Drop		0.8	1.5	V	I <sub>F</sub> = 5 mA
D Y N	C <sub>R</sub> Capacitance		1.5	2.0	pF	V <sub>R</sub> = -5 V, f = 1 MHz

**NOTE:**

1. The EPAD type number denotes its maximum reverse current value in pico amps. Devices with I<sub>R</sub> values intermediate to those shown are also available on request.