



Low-Leakage Pico-Amp Diodes

ABSOLUTE MAXIMUM RATINGS ($T_A = 25^\circ\text{C}$)

Forward Current, I_F 10 mA
 Total Device Dissipation, P_D 360 mW
 Storage Temperature, T_{stg} -55°C to $+135^\circ\text{C}$
 Lead Temperature, T_L 300°C
 (1/16" from case for 10 seconds)

PRODUCT DESCRIPTION

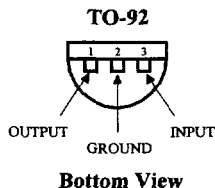
The JPAD5 Series of Low-Leakage Diodes provides a superior alternative to the conventional diode in the case where reverse current must be minimized. The JPAD5 Series leakage current rangings from -5pA to -500pA , to satisfy deferent system requirements.

The JPAD5 Series is available in TO-92 or SOT-23 package to allow end user to maximize circuit performance while maintaining the low cost objectives. ALPHA Semiconductor can supply the part in Tape and Reel upon request.

ORDERING INFORMATION

Part Number	I_R (Pa)
JPAD5	-5
JPAD10	-10
JPAD20	-20
JPAD50	-50
JPAD100	-100
JPAD200	-200
JPAD500	-500

Pin Connections



ELECTRICAL CHARACTERISTIC

Parameter	Symbol	Test Conditions	JPAD5 SERIES			Units
			Min	Typ.	Max	
STATIC						
Reverse Current	I_R	$V_R = -20\text{V}$	JPAD5	-1	-5	
			JPAD10	-2	-10	
			JPAD20	-2	-20	
			JPAD50	-5	-50	pA
			JPAD100	-5	-100	
			JPAD200	-20	-200	
Reverse Breakdown Voltage	BV_R	$I_R = -1\ \mu\text{A}$	-35	-60		V
DYNAMIC						
Reverse Capacitance	C_R	$V_R = -5, f = 1\ \text{Mhz}$		1.5	2	pF