DPAD1, DPAD2, DPAD5, DPAD10

Dual Pico-Amp Diode

- **High Impedance Protection Circuits**

Absolute maximum ratings at T_A = 25°C

Continuous Forward Gate Current	50 mA
Storage Temperature Range	– 55°C to +125°C

At 25°C free air temperature: Electrical Characteristics		DPAD1			DPAD2			Process NJ01		
		Min	Typ	Max	Min	Typ	Max	Unit	Test Conditions	
Reverse Current	I_R			– 1			– 2	pA	V_R = – 20V	
Breakdown Reverse Voltage	BV_R	– 45			– 45			V	I_R = – 1 µA	
Forward Voltage Drop	V_F		0.8	1.5		0.8	1.5	V	I_F = 5 mA	
Capacitance	C_R			0.8			0.8	pF	V_R = – 5 V	f = 1 MHz
Differential Capacitance	$\|C_{R1} – C_{R2}\|$			0.2			0.2	pF	$V_{R1} = V_{R2}$ = – 5 V	f = 1 MHz

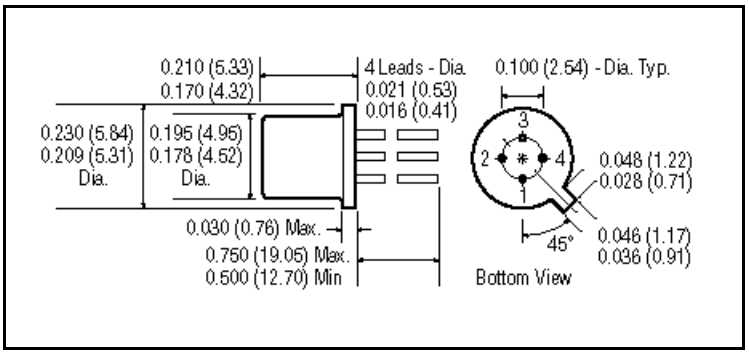
At 25°C free air temperature: Electrical Characteristics		DPAD5			DPAD10			Process NJ01		
		Min	Typ	Max	Min	Typ	Max	Unit	Test Conditions	
Reverse Current	I_R			– 5			– 10	pA	V_R = – 20V	
Breakdown Reverse Voltage	BV_R	– 45			– 45			V	I_R = – 1 µA	
Forward Voltage Drop	V_F		0.8	1.5		0.8	1.5	V	I_F = 5 mA	
Capacitance	C_R			0.8			2.0	pF	V_R = – 5 V	f = 1 MHz
Differential Capacitance	$\|C_{R1} – C_{R2}\|$		0.2			0.2		pF	$V_{R1} = V_{R2}$ = – 5 V	f = 1 MHz

TO-72 Package

Dimensions in Inches (mm)

Pin Configuration

1 Cathode 1, 2 Anode 1,
3 Cathode 2, 4 Anode 2



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