New Jersey Semi-Conductor Products, Inc.

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1N3595

The 1N3595 is a high conductance extremely low leakage planar diode. Specified maximum values for voltage drop capacitance and leakage current mean flexibility in designing circuits which require large numbers of diodes. In those applications where reverse current is a critical design parameter, the inherent qualities of the Fairchild process eliminates the problem of leakage degradation.





ELECTRICAL SPECIFICATIONS (25°C unless otherwise noted)

Symbol	Characteristic	Min.	Max.	Units	Test Conditions
V.	Forward Voltage	.83	1.00	Vdc	I. = 200 mA
V.	Forward Voltage	.79	.92	Vdc	$l_{r} = 100 \text{ mA}$
Ve	Forward Voltage	.74	.88	Vdc	1 1, = 50 mA
v,	Forward Voltage	.65	.80	Vdc	I, = 10 mA
V.	Forward Voltage	.60	.75	Vdc	$I_F = 5 \text{ mA}$
v.	Forward Voltage	.52	.68	Vdc	$l_f = 1 \text{ mA}$
1.	Reverse Current		1.0	nA	Va = 125 V
, 1.	Reverse Current (125°C)		300	nA	V. = 30 V
4.	Reverse Current (125°C)		500	nA	V. = 125 V
1.	Reverse Current (150°C)		3.0	μA	$V_{R} = 125 V$
• • •	Reverse Recovery Time		3.0	"Sec	See Table III
Č.	Capacitance [Note 3]		8.0	pf	$V_{R} = 0 V$
BV	Breakdown Voltage	150		Vdc	$I_{R} = 100 \ \mu A$



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