

FORWARD REGULATOR (Multi-Pellet) DIODES

ELECTRICAL CHARACTERISTICS @ 25 °C, unless otherwise stated

IS/ Part Number	Forward Voltage	Minimum Breakdown Voltage at 5.0 uA	Maximum Reverse Current			Maximum Capacitance* at 0 Volts & f=1 MHz	Stored Charge	
			at 25 °C	at 150 °C	at V _{rr}		Min	Max
			V _r (Volts)	V _{rr} (Volts)	I _r (nA)		I _r (uA)	(Volts)
1N912	Table 10	10	1.0		5.0			
1N912A	Table 11	10	1.0		5.0			
1N913	Table 10	10	1.0		5.0			
1N913A	Table 11	10	1.0		5.0			
1N4156	Table 1	30	50	50	20	25	50	500
1N4157	Table 2	30	50	50	20	20	50	500
1N4453	Table 3	30	50	50	20	30	50	500
1N5179	Table 4	30	50	50	20	20	50	500
1N4819	Table 5	30 at 100 uA	100	25 at 100 °C	20	25	-	-
1N4829	Table 5	30 at 100 uA	100	25 at 100 °C	20	20	-	-
1N4830	Table 6	30 at 100 uA	100	25 at 100 °C	20	25	-	-
C6042	Table 7	30	30		20	15 (typ.)	75	400
C6043	Table 9	30	30		20	10 (typ.)	75	400
C6044	Table 9	30	30		20	7 (typ.)	60	300
C6342	Table 7	30	30		30	15 (typ.)	75	400
C6343	Table 8	60	30		30	10 (typ.)	75	400
C6344	Table 9	90	30		30	7 (typ.)	60	300
MPD200	Table 7	30	30		20	20	75	400
MPD300	Table 8	60	30		20	15	75	400
MPD400	Table 9	90	30		20	10	60	300

Forward Voltage, V_F, Volts

I _r mA	Table 1	Table 2	Table 3	Table 4	Table 5	Table 6	Table 7	Table 8	Table 9
	Min-Max	Min-Max	Min-Max	Min-Max	Min-Max	Min-Max	Min-Max	Min-Max	Min-Max
0.010	0.74-1.09	1.19-1.54	.430-.550	1.40-2.10			0.90-1.00	1.40-1.54	1.82-2.01
0.100	0.97-1.22	1.52-1.77	.510-.630	1.80-2.50	0.84-1.25	1.35-1.80	1.05-1.16	1.62-1.78	2.14-2.36
1.00	1.21-1.41	1.85-2.05	.600-.710	2.20-2.80	0.99-1.44	1.63-2.08	1.22-1.34	1.84-2.03	2.47-2.71
10	1.38-1.59	2.12-2.32	.690-.800	2.60-3.20	1.16-1.61	1.90-2.35	1.39-1.54	2.10-2.33	2.80-3.07
100**	1.54-1.84	2.36-2.66	.800-.920	3.00-3.70	1.35-1.87	2.15-2.69	1.60-1.76	2.40-2.65	3.16-3.49

* Capacitance as measured on Boonton 75A Capacitance Bridge at a signal level of 50 mA and a frequency of 1 MHz

** Pulsed Measurement. Pulse width = 300 nsec, Duty Cycle 2%

I _r mA	Table 10 Min-Max	Table 11 Min-Max
1.00	558-.686	.589-.651
100**	-1.0	-1.0

