



GENERAL PURPOSE ABRUPT VARACTOR DIODES
1N5139 - 1N5148
1N5139A - 1N5148A

PART NUMBER	CAPACITANCE @ 4 Vdc			CAPACITANCE RATIO C•4V / C•60V MIN	MIN QUALITY FACTOR Q @ 4 Vdc f = 50 MHz
	MIN	pF NOM	MAX		
1N5139	6.12	6.8	7.48	2.7	350
◆ 1N5139A	6.46	6.8	7.14	2.7	350
1N5140	9.0	10.0	11.0	2.8	300
◆ 1N5140A	9.5	10.0	10.5	2.8	300
1N5141	10.8	12.0	13.2	2.8	300
◆ 1N5141A	11.4	12.0	12.6	2.8	300
1N5142	13.5	15.0	16.5	2.8	250
◆ 1N5142A	14.3	15.0	15.7	2.8	250
1N5143	16.2	18.0	19.8	2.8	250
◆ 1N5143A	17.1	18.0	18.9	2.8	250
1N5144	19.8	22.0	24.2	3.2	200
◆ 1N5144A	20.9	22.0	23.1	3.2	200
1N5145	24.3	27.0	29.7	3.2	200
◆ 1N5145A	25.7	27.0	28.3	3.2	200
1N5146	29.7	33.0	36.3	3.2	200
◆ 1N5146A	31.4	33.0	34.6	3.2	200
1N5147	36.1	39.0	42.9	3.2	200
◆ 1N5147A	37.1	39.0	40.9	3.2	200
1N5148	42.3	47.0	51.7	3.2	200
◆ 1N5148A	44.7	47.0	49.3	3.2	200

Package Style		DO-7
DC Power Dissipation (Pd)		400 mW
Forward Current (If)		250 mA
Min Reverse Breakdown Voltage (Bvr)	@ Ir = 10 µAdc	65 Vdc
Max Reverse Current (Ir)	@ Vr = 55 Vdc	20 nAdc
Max Reverse Current (Ir2)	@ Vr = 55 Vdc; Ta = 150°C	20 µAdc
Temp Coefficient of Capacitance	@ Vr=4 Vdc; Ta -40 to +85°C	.03%/°C
Operating Temperature Range (Topr)		-65 to + 175°C
Storage Temperature Range (Tstg)		-65 to + 200°C
Voltage Tolerance:	Standard Device	±10%
	Suffix A	± 5%

◆ DENOTES MILITARY APPROVAL FOR JAN - JANTX - JANTXV



LittleDiode supplies new, hard to find or obsolete electronic components and semiconductors all over the world.

With over two million different components listed you are sure to find the part you need.

Feel free to visit us today at our online store:

LittleDiode.com

Looking forward to providing you with the best possible service.