Glass Axial Leaded

1N5139 – 1N5148, 1N5139A – 1N5148A

Model	Capacitance pF			Capacitance Ratio	Quality Factor Q
	MIN	TYP	MAX	MIN	MIN
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	6.1	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
Test Conditions	@ -4 Vdc, 1 MHz			C_T 2 V / C_T 60 V	@ 4 Vdc F = 50 MHz

Maximum Ratings	Parameters	Value	Rating
	DC Power Dissipation	400 mW	
	Forward Current	250 mA	
	Min Reverse Breakdown Voltage	@ I_R = 10 µAdc	65 Vdc
	Max Reverse Current	@ V_R = 55 Vdc	20 µAdc
	Max Reverse Current	@ V_R = 55 Vdc; Ta = 150° C	20 µAdc
	Temp Coefficient of Capacitance	@ V_R = 4 Vdc; Ta -40 to +85° C	03% / °C
	Operating Temperature Range	-65° to +175° C	
	Storage Temperature Range	-65° to +200° C	
	Voltage Tolerance	Standard Device	+10%
	Suffix A	+5%	

® Denotes Military approval for JAN - JANTX - JANTXV