1N49××

VOIDLESS-HERMETICALLY-SEALED 5 WATT GLASS ZENER DIODES

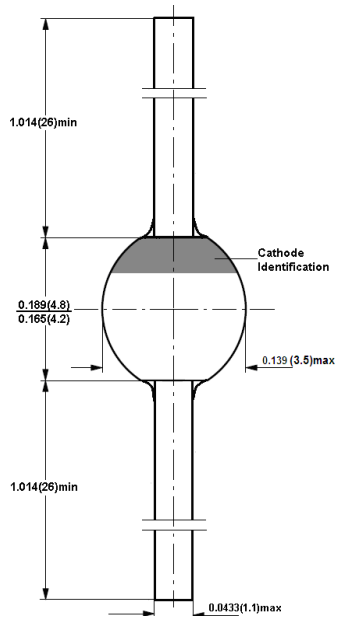
Features：

Popular JEDEC registered series
Voidless hermetically sealed glass package
Extremely robust construction
Triple-layer passivation

MECHANICAL DATA:

Case: SOD-64E sintered glass case
Terminal: Plated axial leads solderable per MIL-STD 202E, method 208C

G4-2



Dimensions in inches and (millimeters)

ELECTRICAL CHARACTERISTICS @25°C

Type*	Nominal Zener Voltage Vz@IzT	Test Current IzT	Maximun Zener Impedance		Voltage Regulation (Note 1)	Maximum Reveres Leakage Current Voltage		Maximum Temperature Coeff.	Maximum Continuous Current	Surge Current
			Zz@ IzT	Zzk*@ Izk=1mA	△Vz	IR	VR	α vz@ IzT	IzM	IzSM
	Volts	mA	Ohms	Ohms	Volts	uA	Volts	%/° C	mA	Amps
1N4957	9.1	150	2.0	400	0.7	25	6.9	.06	520	22
1N4958	10	125	2.0	125	0.8	25	7.6	.07	475	20
1N4959	11	125	2.5	130	0.8	10	8.4	.07	430	19
1N4960	12	100	2.5	140	0.8	10	9.1	.07	395	18
1N4961	13	100	3.0	145	0.9	10	9.9	.08	365	16
1N4965	20	65	4.5	165	1.5	2	15.2	.085	237	8.0
1N4967	24	50	5.0	175	2.0	2	18.2	.090	198	6.5
1N4970	33	40	10	200	2.8	2	25.1	.095	144	5.0
1N4972	39	30	14	230	3.0	2	29.7	.095	122	4.0
1N4973	43	30	20	240	3.3	2	32.7	.095	110	3.5
1N4974	47	25	25	250	3.5	2	35.8	.095	100	3.2

ELECTRICAL CHARACTERISTICS @25°C										
Type*	Nominal Zener Voltage Vz@I_{ZT}	Test Current I_{ZT}	Maximun Zener Impedance		Voltage Regulation (Note 1) △Vz	Maximum Reveres Leakage Current Voltage		Maximum Temperature Coeff. α vz@ I_{ZT}	Maximum Continuous Current I_{ZM}	Surge Current I_{ZSM}
			Zz@ I_{ZT}	$Z_{Zk*@}$ $I_{Zk=1mA}$		I_R	V_R			
	Volts	mA	Ohms	Ohms	Volts	uA	Volts	%/° C	mA	Amps
1N4979	75	20	55	620	6.0	2	56.0	.100	63.0	2.0
1N4981	91	15	90	760	7.5	2	69.2	.100	52.5	1.6
1N4991	240	5	650	2050	22	2	182	.115	19.8	0.40
1N4993	300	4	950	2150	28	2	228	.120	15.6	0.30

▲VF:1.5V (MAX)，@IF=1.0A;

* Standard voltage tolerances are plus/minus 5% with no suffix.