

SECTION 7




ZENER DIODES

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1N5225B to 1N5267B	7 - 2	7 -
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BZV85 series	7 - 2	7 -
BZV90 series	7 - 3	7 -
BZX55 series	7 - 2	7 -
BZX79 series	7 - 2	7 -
BZX84 series	7 - 3	7 -
BZX284 series	7 - 3	7 -
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PLVA2600A series	7 - 3	7 -
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Zener diodes

Selection guide

ZENER DIODES

TYPE NUMBER	RATINGS						CHARACTERISTICS		DOUBLE DIODE	PACKAGE (not to scale)
	I_F	$P_{tot} \text{ @ } T_{tp}$		$P_{ZSM} \text{ @ } T_j \text{ and } t_p$			$V_Z \text{ nom.}$			
	max.	max.		max.			E24 range	tol.		
	(mA)	(mW)	(°C)	(W)	(°C)	(ms)	(V)	(±%)		
LEADED TYPES										
1N5225B to 67B BZX55 series BZX79 series PLVA400A ser.	250 250 250 250	500 500 500 400	75 50 50 55	10 40 40 30	55 25 25 150	8.3 0.1 0.1 0.1	3.0 to 75 2.4 to 75 2.4 to 75 5.0 to 6.8	5 5 1, 2, 3, 5 ±0.2 V	no no no no	 SOD27 (DO35)
1N4728A to 49A BZV85 series	500 500	1000 1300	50 55	— 60	— 25	— 0.1	3.3 to 24 3.6 to 75	5 5	no no	 SOD66 (DO41)
BZV37	50	400	25	40	25	0.1	6.5	5	yes ⁽¹⁾	 SOD68 (DO34)


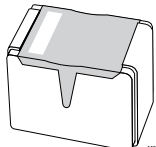
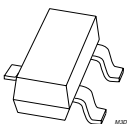
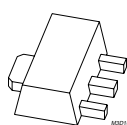
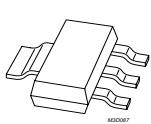
Note

1. Bidirectional Zener diode.

Zener diodes

Selection guide

ZENER DIODES (continued)

TYPE NUMBER	RATINGS						CHARACTERISTICS		DOUBLE DIODE	PACKAGE (not to scale)
	I _F max.	P _{tot} @ T _{tp} max.		P _{ZSM} @ T _j and t _p max.			V _Z nom.			
							E24 range	tol.		
SURFACE-MOUNT TYPES										
BZV55 series PMLL5225B to PMLL5267B	250 250	500 500	50 75	40 10	25 55	0.1 8.3	2.4 to 75 3.0 to 75	2, 3, 5 5	no no	 SOD80C
BZX284 series	250	400	25	—	—	—	2.4 to 75	2, 5	no	 SOD110
BZX84 series PLVA600A ser. PLVA2600A ser. PMBZ5226B to PMBZ5257B	200 250 250 250	250 250 250 250	25 25 25 25	40 30 30 10	25 150 150 55	0.1 0.1 0.1 8.3	2.4 to 75 5.0 to 6.8 5.0 to 6.8 3.3 to 33	1, 2, 5 ±0.2 V ±0.2 V 5	no no yes ⁽¹⁾ no	 SOT23
BZV49 series	250	1000	25	40	25	0.1	2.4 to 75	5	no	 SOT89
BZV90 series	400	1500	25	40	25	0.1	2.4 to 75	5	no	 SOT223

Note

1. Common anode.