

# Zener Regulator Diodes

**Microsemi**  
Power Management Solutions

Part Number	Microsemi Division	Package Outline	Type	Mil Spec	Data Sheet ID	Power (W)	Vz (V)	Izt (mA)	Zzt (Ω)	Zzk (Ω)	IR (uA)	VR (V)	Tol. (+/-%)
MLL4616-1	Scottsdale	DO-213AA	SM		12672	0.5	2.2	0.25	1300		4	1	5
1N5221A	Scottsdale	DO-35	STD		3255	0.5	2.4	20	30	1200	100	0.95	10
1N5221A (DO7)	Scottsdale	DO-7	STD		3256	0.5	2.4	20	30	1200	100	0.95	10
1N5221B	Scottsdale	DO-35	STD		3257	0.5	2.4	20	30	1200	100	1	5
1N5221B (DO7)	Scottsdale	DO-7	STD		3258	0.5	2.4	20	30	1200	100	1	5
1N5222A	Scottsdale	DO-35	STD		3259	0.5	2.4	20	30	1200	100	0.95	10
1N5222A (DO7)	Scottsdale	DO-7	STD		3260	0.5	2.4	20	30	1200	100	0.95	10
1N5222B	Scottsdale	DO-35	STD		3261	0.5	2.4	20	30	1200	100	1	5
1N5222B (DO7)	Scottsdale	DO-7	STD		3262	0.5	2.4	20	30	1200	100	1	5
1N5223A	Scottsdale	DO-35	STD		3263	0.5	2.4	20	30	1200	100	0.95	10
1N5223A (DO7)	Scottsdale	DO-7	STD		3264	0.5	2.4	20	30	1200	100	0.95	10
1N5223B	Scottsdale	DO-35	STD		3265	0.5	2.4	20	30	1200	100	1	5
1N5223B (DO7)	Scottsdale	DO-7	STD		3266	0.5	2.4	20	30	1200	100	1	5
1N5224A	Scottsdale	DO-35	STD		3267	0.5	2.4	20	30	1200	100	0.95	10
1N5224A (DO7)	Scottsdale	DO-7	STD		3268	0.5	2.4	20	30	1200	100	0.95	10
1N5224B	Scottsdale	DO-35	STD		3269	0.5	2.4	20	30	1200	100	1	5
1N5224B (DO7)	Scottsdale	DO-7	STD		3270	0.5	2.4	20	30	1200	100	1	5
1N6309	Santa Ana	DO-35	STD		4805	0.5	2.4	20	30	1200	100	1	
1N6309US	Santa Ana	B SQ. MELF	SM		4806	0.5	2.4	20	30	1200	100	1	
JAN1N6309	Santa Ana	DO-35	STD	533	8077	0.5	2.4	20	30	1200	100	1	
JAN1N6309US	Santa Ana	B SQ. MELF	SM	533	8078	0.5	2.4	20	30	1200	100	1	
JANTX1N6309	Santa Ana	DO-35	STD	533	9834	0.5	2.4	20	30	1200	100	1	
JANTX1N6309US	Santa Ana	B SQ. MELF	SM	533	9835	0.5	2.4	20	30	1200	100	1	
JANTXV1N6309	Santa Ana	DO-35	STD	533	11305	0.5	2.4	20	30	1200	100	1	
JANTXV1N6309US	Santa Ana	B SQ. MELF	SM	533	11306	0.5	2.4	20	30	1200	100	1	
MLL5221B	Scottsdale	DO-213AA	SM		12733	0.5	2.4	20	30	1200	100	1	5
MLL5221B-1	Scottsdale	DO-213AA	SM		21624	0.5	2.4	20	30	1200	100	1	5
SP6309	Santa Ana	DO-35	STD		16142	0.5	2.4	20	30	1200	100	1	
SP6309US	Santa Ana	B SQ. MELF	SM		16143	0.5	2.4	20	30	1200	100	1	
1N5985B	Scottsdale	DO-35	STD		4122	0.5	2.4	5	100	1800	100	1	5
1N5985C	Scottsdale	DO-35	STD		4123	0.5	2.4	5	100	1800	100	1	2
1N5985D	Scottsdale	DO-35	STD		4124	0.5	2.4	5	100	1800	100	1	1
1N5985A	Scottsdale	DO-35	STD		4121	0.5	2.4	5	110	2000	100	0.5	10
1N4617 (DO35)	Scottsdale	DO-35	STD		2652	0.5	2.4	0.25	1400		2	1	5
JAN1N4617 (DO35)	Scottsdale	DO-35	STD		7402	0.5	2.4	0.25	1400		2	1	5
JANTX1N4617 (DO35)	Scottsdale	DO-35	STD		9159	0.5	2.4	0.25	1400		2	1	5
JANTXV1N4617 (DO35)	Scottsdale	DO-35	STD		10619	0.5	2.4	0.25	1400		2	1	5
MLL4617	Scottsdale	DO-213AA	SM		12673	0.5	2.4	0.25	1400		2	1	5
MLL4617-1	Scottsdale	DO-213AA	SM		12674	0.5	2.4	0.25	1400		2	1	5
MLL5222B	Scottsdale	DO-213AA	SM		12734	0.5	2.5	20	30	1250	100	1	5
MLL5222B-1	Scottsdale	DO-213AA	SM		21625	0.5	2.5	20	30	1250	100	1	5
1N6310	Santa Ana	DO-35	STD		4807	0.5	2.7	20	30	1300	60	1	
1N6310US	Santa Ana	B SQ. MELF	SM		4808	0.5	2.7	20	30	1300	60	1	
JAN1N6310	Santa Ana	DO-35	STD	533	8079	0.5	2.7	20	30	1300	60	1	
JAN1N6310US	Santa Ana	B SQ. MELF	SM	533	8080	0.5	2.7	20	30	1300	60	1	
JANTX1N6310	Santa Ana	DO-35	STD	533	9836	0.5	2.7	20	30	1300	60	1	

**ZEN**

Section Organization: Zener Parametric Section is organized by ascending Power (watts), followed by ascending Vz (volts)

**General Notes:**

1. Information on contacting Microsemi Divisions can be obtained on the back cover of this catalog
2. Type specifies "STD" - Standard, "SM" - Surface Mount, "DIE" - Die Form
3. Datasheets can be obtained from Microsemi's Website or Fax on Demand System by specifying the Data Sheet ID