



Micro Commercial Components
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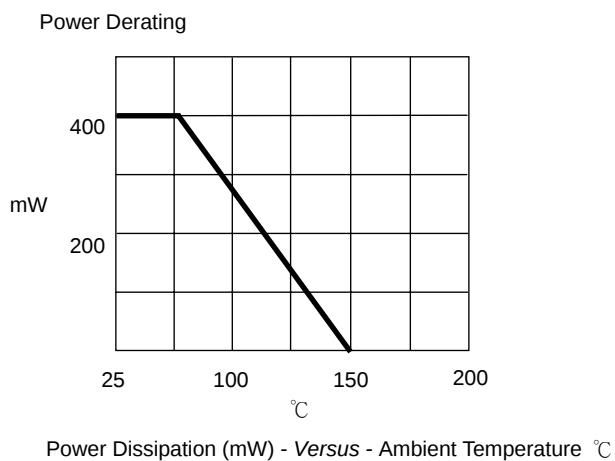
RD2.0ES THRU RD39ES

Features

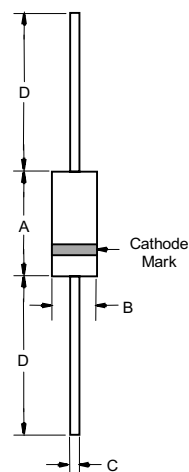
- DO-34 Glass sealed package
- This diode can be inserted into a PC board with a shorter pitch(5mm)
- Planar process
- V_Z applied E24 standard

Maximum Ratings

Symbol	Rating	Rating	Unit
I_F	Forward Current	150	mA
P_D	Power dissipation	400	W
P_{RSM}	Surge Reverse Power	100	W
T_J	Junction Temperature	150	°C
T_{STG}	Storage Temperature Range	-55 to +150	°C



DO-34



DIMENSIONS					
DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	.094	.118	2.40	3.00	
B	.063	.079	1.60	2.00	
C	.012	.020	0.30	0.50	
D	1.102	1.181	28.00	30.00	

RD2.0ES thru RD39ES

ELECTRICAL CHARACTERISTICS @25°C

MCC PART NUMBER		ZENER VOLTAGE V _Z @ I _{ZT} VOLTS		TEST CURRENT I _{ZT}	Dynamic Resistance Z _{zt} (Max.)		Knee Dynamic Impedance Z _{zk} (Max.)		REVERSE CURRENT I _R (Max.)	
Type	Suffix	Min	Max	I _Z (mA)	OHMS.	mA	OHMS	mA	uA	I _Z (mA)
RD2.0ES	-	1.88	2.24	5.0	100	5.0	1000	0.5	120	0.5
	A	1.88	2.12	5.0	100	5.0	1000	0.5	120	0.5
	B	2.01	2.24	5.0	100	5.0	1000	0.5	120	0.5
RD2.2ES	-	2.11	2.44	5.0	100	5.0	1000	0.5	120	0.7
	A	2.11	2.34	5.0	100	5.0	1000	0.5	120	0.7
	B	2.22	2.44	5.0	100	5.0	1000	0.5	120	0.7
RD2.4ES	-	2.32	2.65	5.0	100	5.0	1000	0.5	120	1.0
	A	2.32	2.54	5.0	100	5.0	1000	0.5	120	1.0
	B	2.41	2.65	5.0	100	5.0	1000	0.5	120	1.0
RD2.7ES	-	2.52	2.93	5.0	110	5.0	1000	0.5	100	1.0
	A	2.52	2.77	5.0	110	5.0	1000	0.5	100	1.0
	B	2.68	2.93	5.0	110	5.0	1000	0.5	100	1.0
RD3.0ES	-	2.84	3.24	5.0	120	5.0	1000	0.5	50	1.0
	A	2.84	3.08	5.0	120	5.0	1000	0.5	50	1.0
	B	2.99	3.24	5.0	120	5.0	1000	0.5	50	1.0
RD3.3ES	-	3.15	3.54	5.0	120	5.0	1000	0.5	20	1.0
	A	3.15	3.39	5.0	120	5.0	1000	0.5	20	1.0
	B	3.31	3.54	5.0	120	5.0	1000	0.5	20	1.0
RD3.6ES	-	3.46	3.84	5.0	120	5.0	1100	0.5	10	1.0
	A	3.46	3.69	5.0	120	5.0	1100	0.5	10	1.0
	B	3.60	3.84	5.0	120	5.0	1100	0.5	10	1.0
RD3.9ES	-	3.74	4.16	5.0	120	5.0	1200	0.5	5.0	1.0
	A	3.74	4.01	5.0	120	5.0	1200	0.5	5.0	1.0
	B	3.89	4.16	5.0	120	5.0	1200	0.5	5.0	1.0
RD4.3ES	-	4.04	4.57	5.0	120	5.0	1200	0.5	5.0	1.0
	A	4.04	4.29	5.0	120	5.0	1200	0.5	5.0	1.0
	B	4.17	4.43	5.0	120	5.0	1200	0.5	5.0	1.0
RD4.7ES	-	4.44	4.93	5.0	100	5.0	1200	0.5	5.0	1.0
	A	4.44	4.68	5.0	100	5.0	1200	0.5	5.0	1.0
	B	4.55	4.80	5.0	100	5.0	1200	0.5	5.0	1.0
RD5.1ES	-	4.81	5.37	5.0	70	5.0	1200	0.5	5.0	1.5
	A	4.81	5.07	5.0	70	5.0	1200	0.5	5.0	1.5
	B	4.94	5.20	5.0	70	5.0	1200	0.5	5.0	1.5
RD5.6ES	-	5.28	5.91	5.0	40	5.0	900	0.5	5.0	2.5
	A	5.28	5.55	5.0	40	5.0	900	0.5	5.0	2.5
	B	5.45	5.73	5.0	40	5.0	900	0.5	5.0	2.5
RD6.2ES	-	5.78	6.44	5.0	30	5.0	500	0.5	5.0	3.0
	A	5.78	6.09	5.0	30	5.0	500	0.5	5.0	3.0
	B	5.96	6.27	5.0	30	5.0	500	0.5	5.0	3.0
RD6.8ES	-	6.29	7.01	5.0	25	5.0	150	0.5	2.0	3.5
	A	6.29	6.63	5.0	25	5.0	150	0.5	2.0	3.5
	B	6.49	6.83	5.0	25	5.0	150	0.5	2.0	3.5
RD7.5ES	-	6.85	7.67	5.0	25	5.0	120	0.5	0.5	4.0
	A	6.85	7.22	5.0	25	5.0	120	0.5	0.5	4.0
	B	7.07	7.45	5.0	25	5.0	120	0.5	0.5	4.0
RD8.2ES	-	7.53	8.45	5.0	20	5.0	120	0.5	0.5	5.0
	A	7.53	7.92	5.0	20	5.0	120	0.5	0.5	5.0
	B	7.78	8.19	5.0	20	5.0	120	0.5	0.5	5.0
RD9.1ES	-	8.29	9.30	5.0	20	5.0	120	0.5	0.5	6.0
	A	8.29	8.73	5.0	20	5.0	120	0.5	0.5	6.0
	B	8.57	9.01	5.0	20	5.0	120	0.5	0.5	6.0
RD10ES	-	8.83	9.30	5.0	20	5.0	120	0.5	0.5	6.0
	A	9.12	10.39	5.0	20	5.0	120	0.5	0.2	7.0
	B	9.12	9.65	5.0	20	5.0	120	0.5	0.2	7.0
RD11ES	-	9.46	10.02	5.0	20	5.0	120	0.5	0.2	7.0
	A	9.82	10.39	5.0	20	5.0	120	0.5	0.2	7.0
	B	10.18	11.38	5.0	20	5.0	120	0.5	0.2	8.0
RD11ES	-	10.18	10.71	5.0	20	5.0	120	0.5	0.2	8.0
	A	10.50	11.05	5.0	20	5.0	120	0.5	0.2	8.0
	B	10.82	11.38	5.0	20	5.0	120	0.5	0.2	8.0

RD2.0ES thru RD39ES

**ELECTRICAL CHARACTERISTICS @25°C**

MCC PART NUMBER		ZENER VOLTAGE V_Z @ I_{ZT} VOLTS		TEST CURRENT I_{ZT}	Dynamic Resistance Z_{zt} (Max.)		Knee Dynamic Impedance Z_{zk} (Max.)		REVERSE CURRENT I_R (Max.)	
Type	Suffix	Min	Max	I_Z (mA)	OHMS.	mA	OHMS	mA	uA	I_Z (mA)
RD12ES	-	11.13	12.35	5.0	25	5.0	110	0.5	0.2	9.0
	A	11.13	11.71	5.0	25	5.0	110	0.5	0.2	9.0
	B	11.44	12.03	5.0	25	5.0	110	0.5	0.2	9.0
	C	11.74	12.35	5.0	25	5.0	110	0.5	0.2	9.0
RD13ES	-	12.11	13.66	5.0	25	5.0	110	0.5	0.2	10
	A	12.11	12.75	5.0	25	5.0	110	0.5	0.2	10
	B	12.55	13.21	5.0	25	5.0	110	0.5	0.2	10
	C	12.99	13.66	5.0	25	5.0	110	0.5	0.2	10
RD15ES	-	13.44	15.09	5.0	25	5.0	110	0.5	0.2	11
	A	13.44	14.13	5.0	25	5.0	110	0.5	0.2	11
	B	13.89	14.62	5.0	25	5.0	110	0.5	0.2	11
	C	14.35	15.09	5.0	25	5.0	110	0.5	0.2	11
RD16ES	-	14.80	16.51	5.0	25	5.0	150	0.5	0.2	12
	A	14.80	15.57	5.0	25	5.0	150	0.5	0.2	12
	B	15.25	16.04	5.0	25	5.0	150	0.5	0.2	12
	C	15.69	16.51	5.0	25	5.0	150	0.5	0.2	12
RD18ES	-	16.22	18.33	5.0	30	5.0	150	0.5	0.2	13
	A	16.22	17.06	5.0	30	5.0	150	0.5	0.2	13
	B	16.82	17.70	5.0	30	5.0	150	0.5	0.2	13
	C	17.42	18.33	5.0	30	5.0	150	0.5	0.2	13
RD20ES	-	18.14	20.45	5.0	30	5.0	200	0.5	0.2	15
	A	18.14	19.07	5.0	30	5.0	200	0.5	0.2	15
	B	18.80	19.76	5.0	30	5.0	200	0.5	0.2	15
	C	19.45	20.45	5.0	30	5.0	200	0.5	0.2	15
RD22ES	-	20.15	22.63	5.0	30	5.0	200	0.5	0.2	17
	A	20.15	21.20	5.0	30	5.0	200	0.5	0.2	17
	B	20.64	21.71	5.0	30	5.0	200	0.5	0.2	17
	C	21.08	22.17	5.0	30	5.0	200	0.5	0.2	17
	D	21.52	22.63	5.0	30	5.0	200	0.5	0.2	17
RD24ES	-	22.05	24.85	5.0	35	5.0	200	0.5	0.2	19
	A	22.05	23.18	5.0	35	5.0	200	0.5	0.2	19
	B	22.61	23.77	5.0	35	5.0	200	0.5	0.2	19
	C	23.12	24.13	5.0	35	5.0	200	0.5	0.2	19
	D	23.63	24.85	5.0	35	5.0	200	0.5	0.2	19
RD27ES	-	24.26	27.64	5.0	45	5.0	250	0.5	0.2	21
	A	24.26	25.52	5.0	45	5.0	250	0.5	0.2	21
	B	24.97	26.26	5.0	45	5.0	250	0.5	0.2	21
	C	25.63	26.95	5.0	45	5.0	250	0.5	0.2	21
	D	26.29	27.64	5.0	45	5.0	250	0.5	0.2	21
RD30ES	-	26.99	30.51	5.0	55	5.0	250	0.5	0.2	23
	A	26.99	28.39	5.0	55	5.0	250	0.5	0.2	23
	B	27.70	29.13	5.0	55	5.0	250	0.5	0.2	23
	C	28.36	29.82	5.0	55	5.0	250	0.5	0.2	23
	D	29.02	30.51	5.0	55	5.0	250	0.5	0.2	23
RD33ES	-	29.68	33.11	5.0	65	5.0	250	0.5	0.2	25
	A	29.68	31.22	5.0	65	5.0	250	0.5	0.2	25
	B	30.32	31.88	5.0	65	5.0	250	0.5	0.2	25
	C	30.90	32.50	5.0	65	5.0	250	0.5	0.2	25
	D	31.49	33.11	5.0	65	5.0	250	0.5	0.2	25
RD36ES	-	32.14	35.77	5.0	75	5.0	250	0.5	0.2	27
	A	32.14	33.79	5.0	75	5.0	250	0.5	0.2	27
	B	32.79	34.49	5.0	75	5.0	250	0.5	0.2	27
	C	33.40	35.13	5.0	75	5.0	250	0.5	0.2	27
	D	34.01	35.77	5.0	75	5.0	250	0.5	0.2	27
RD39ES	-	34.68	38.52	5.0	85	5.0	250	0.5	0.2	30
	A	34.68	36.47	5.0	85	5.0	250	0.5	0.2	30
	B	35.36	37.19	5.0	85	5.0	250	0.5	0.2	30
	C	36.00	37.85	5.0	85	5.0	250	0.5	0.2	30
	D	36.63	38.52	5.0	85	5.0	250	0.5	0.2	30

