

bel PTC Resettable Circuit Protection



Physical Specifications: • Lead Material: Tin Plated Copper • Insulating Coating (radial leaded product only): Flame retardant yellow epoxy, meets UL-94-V-0

Agency Approval: UL Recognized (E305051). See datasheet for select TUV approval.

Temperature Range: -40°C ~ 85°C



Parameter Definitions (Electrical characteristics tested at 23°C)

I_h	Hold current-maximum current at which the device will not trip in still air
I_t	Trip current-maximum current at which the device will always trip in still air
I_{max}	Maximum fault current device can withstand without damage at rated voltage (V _{max})
V_{max}	Maximum voltage device can withstand without damage at its rated current
R_{min}	Minimum device resistance
R_{max}	Maximum device resistance
R1_{max}	Maximum device resistance, 1 hour after initial device trip

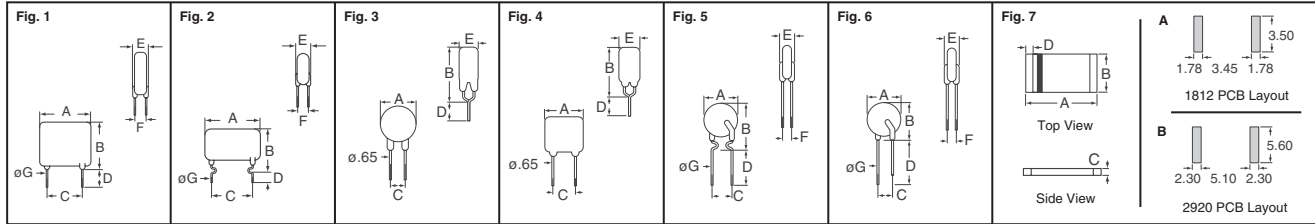


Fig.	Rated Voltage (VDC _{max})	Rated Current (23°C)		Max. Current (I _{max})	Resistance Tolerance			Dimensions - mm						Digi-Key Part No.	Pricing				Bel Fuse Part No.		
		Hold (I _h)	Trip (I _t)		R _{min} (Ω)	R _{max} (Ω)	R1 _{max} (Ω)	A Max.	B Max.	C Typ.	D Min.	E Max.	F Typ.		G Lead Size	1	10	100		500	
OZRA Series Radial Leaded																					
1	16	3	5.1	100	0.034	0.0530	0.105	7.1	11.0	5.1	7.6	3.0	1.2	0.81	507-1304-ND	56	4.06	31.25	109.38	OZRA0300FF1C	
	16	4	6.8	100	0.020	0.0350	0.063	8.9	12.8	5.1	7.6	3.0	1.2	0.81	507-1305-ND	61	4.39	33.75	118.13	OZRA0400FF1E	
	16	5	8.5	100	0.014	0.0210	0.044	10.4	14.3	5.1	7.6	3.0	1.2	0.81	507-1306-ND	70	5.04	38.75	135.63	OZRA0500FF1E	
	16	6	10.2	100	0.009	0.0160	0.033	10.7	17.1	5.1	7.6	3.0	1.2	0.81	507-1307-ND	74	5.36	41.25	144.38	OZRA0600FF1E	
	16	7	11.9	100	0.006	0.0130	0.021	11.2	19.7	5.1	7.6	3.0	1.2	0.81	507-1308-ND	78	5.66	43.50	152.25	OZRA0700FF1A	
	16	8	13.6	100	0.005	0.0110	0.018	12.7	20.9	5.1	7.6	3.0	1.2	0.81	507-1309-ND	88	6.34	48.75	170.63	OZRA0800FF1A	
	16	9	15.3	100	0.004	0.0085	0.015	14.0	21.7	5.1	7.6	3.0	1.2	0.81	507-1310-ND	90	6.50	50.00	175.00	OZRA0900FF1A	
	16	10	17.0	100	0.003	0.0075	0.012	16.5	24.1	5.1	7.6	3.0	1.2	0.81	507-1311-ND	94	6.76	52.00	182.00	OZRA1000FF1A	
	16	11	18.7	100	0.003	0.0065	0.010	17.5	26.0	5.1	7.6	3.0	1.2	0.81	507-1312-ND	97	7.02	54.00	189.00	OZRA1100FF1A	
	16	12	20.4	100	0.002	0.0055	0.009	17.5	28.0	10.2	7.6	3.6	1.4	1.00	507-1313-ND	1.12	8.06	62.00	217.00	OZRA1200FF1A	
16	14	23.8	100	0.002	0.0045	0.008	27.9	27.9	10.2	7.6	3.6	1.4	1.00	507-1314-ND	1.30	9.36	72.00	252.00	OZRA1400FF1A		
OZRB Series Radial Leaded																					
2	30	0.90	1.8	40	0.07	0.160	0.22	7.4	12.2	5.1	7.6	3	0.9	0.51	507-1315-ND	45	3.22	24.75	86.63	OZRB0900FF1C	
	30	1.10	2.2	40	0.05	0.140	0.17	7.4	14.2	5.1	7.6	3	0.9	0.51	507-1316-ND	47	3.41	26.25	91.88	OZRB0110FF1C	
	30	1.35	2.7	40	0.04	0.095	0.13	8.9	13.5	5.1	7.6	3	0.9	0.51	507-1317-ND	50	3.64	28.00	98.00	OZRB0135FF1E	
	30	1.60	3.2	40	0.03	0.080	0.11	8.9	15.2	5.1	7.6	3	0.9	0.51	507-1318-ND	52	3.74	28.75	100.63	OZRB0160FF1E	
	30	1.85	3.7	40	0.03	0.070	0.09	10.2	15.7	5.1	7.6	3	0.9	0.51	507-1319-ND	54	3.90	30.00	105.00	OZRB0185FF1E	
	30	2.50	5.0	40	0.02	0.050	0.07	11.4	18.3	5.1	7.6	3	0.9	0.51	507-1320-ND	61	4.39	33.75	118.13	OZRB0250FF1E	
1	30	3.00	6.0	40	0.02	0.050	0.08	11.4	17.3	5.1	7.6	3	1.2	0.81	507-1321-ND	63	4.52	34.75	121.63	OZRB0300FF1A	
	30	4.00	8.0	40	0.01	0.035	0.05	14.0	20.1	5.1	7.6	3	1.2	0.81	507-1322-ND	71	5.14	39.50	138.25	OZRB0400FF1A	
	30	5.00	10.0	40	0.01	0.022	0.05	14.0	24.9	10.2	7.6	3	1.2	0.81	507-1323-ND	77	5.59	43.00	150.50	OZRB0500FF1A	
	30	6.00	12.0	40	0.005	0.018	0.04	16.5	24.9	10.2	7.6	3	1.2	0.81	507-1324-ND	83	5.98	46.00	161.00	OZRB0600FF1A	
	30	7.00	14.0	40	0.005	0.015	0.03	19.1	26.7	10.2	7.6	3	1.2	0.81	507-1325-ND	88	6.37	49.00	171.50	OZRB0700FF1A	
	30	8.00	16.0	40	0.005	0.012	0.02	21.6	29.2	10.2	7.6	3	1.2	0.81	507-1326-ND	92	6.63	51.00	178.50	OZRB0800FF1A	
	30	9.00	18.0	40	0.005	0.011	0.02	24.1	29.7	10.2	7.6	3	1.2	0.81	507-1327-ND	97	7.02	54.00	189.00	OZRB0900FF1A	
	OZRF Series Telecom Radial																				
	3	60	0.08	0.16	3	14.0	22.00	33	5.8	9.6	5	4.7	4.6	—	—	507-1356-ND	45	3.28	25.25	88.38	OZRF0080FF1E
		60	0.11	0.22	3	5.0	11.00	16	6.8	9.9	5	4.7	4.6	—	—	507-1357-ND	45	3.28	25.25	88.38	OZRF0011FF1E
4	60	0.12	0.24	3	4.0	12.00	16	6.5	11.0	5	4.7	4.6	—	—	507-1358-ND	45	3.28	25.25	88.38	OZRF0012FF1E	
	60	0.15	0.29	3	3.0	7.50	12	6.5	11.0	5	4.7	4.6	—	—	507-1359-ND	45	3.28	25.25	88.38	OZRF0015FF1E	
60	0.18	0.65	10	0.8	2.20	4	10.9	12.6	5	4.7	4.6	—	—	507-1360-ND	51	3.71	28.50	99.75	OZRF0018FF1A		
OZRC Series Rated Radial																					
5	90	0.10	0.20	40	2.50	6.000	7.50	7.4	12.7	5.1	7.6	3.1	1.1	0.51	507-1328-ND	40	2.89	22.25	77.88	OZRC0010FF1E	
	90	0.15	0.35	40	2.40	5.500	7.00	7.4	12.7	5.1	7.6	3.1	1.1	0.51	507-1329-ND	40	2.89	22.25	77.88	OZRC0015FF1E	
	90	0.17	0.34	40	2.00	3.720	8.00	7.4	12.7	5.1	7.6	3.1	1.1	0.51	507-1330-ND	40	2.89	22.25	77.88	OZRC0017FF1E	
	90	0.20	0.40	40	1.83	3.300	4.40	7.4	12.7	5.1	7.6	3.1	1.1	0.51	507-1331-ND	40	2.89	22.25	77.88	OZRC0020FF1E	
	90	0.25	0.50	40	1.25	2.280	3.00	7.4	12.7	5.1	7.6	3.1	1.1	0.51	507-1332-ND	40	2.89	22.25	77.88	OZRC0025FF1E	
	90	0.30	0.60	40	0.88	1.596	2.10	7.4	13.0	5.1	7.6	3.1	1.1	0.51	507-1333-ND	43	3.09	23.75	83.13	OZRC0030FF1E	
	90	0.35	0.75	40	0.70	1.300	2.50	7.4	12.7	5.1	7.6	3.1	1.1	0.51	507-1334-ND	43	3.09	23.75	83.13	OZRC0035FF1E	
	90	0.40	0.80	40	0.55	1.032	1.29	7.6	13.5	5.1	7.6	3.1	1.1	0.51	507-1335-ND	43	3.09	23.75	83.13	OZRC0040FF1E	
	90	0.50	1.00	40	0.50	0.770	1.17	7.9	13.7	5.1	7.6	3.1	1.1	0.51	507-1336-ND	45	3.25	25.00	87.50	OZRC0050FF1E	
	90	0.55	1.20	40	0.40	0.720	1.50	9.7	14.0	5.1	7.6	3.1	1.1	0.51	507-1337-ND	45	3.25	25.00	87.50	OZRC0055FF1E	
6	90	0.65	1.30	40	0.31	0.520	0.72	9.7	14.5	5.1	7.6	3.1	1.1	0.51	507-1338-ND	47	3.41	26.25	91.88	OZRC0065FF1E	
	90	0.75	1.50	40	0.25	0.400	0.60	10.4	15.2	5.1	7.6	3.1	1.1	0.51	507-1339-ND	50	3.58	27.50	98.25	OZRC0075FF1E	
	90	0.90	1.80	40	0.20	0.330	0.47	11.7	15.8	5.1	7.6	3.1	1.1	0.51	507-1340-ND	50	3.58	27.50	98.25	OZRC0090FF1E	
	90	1.10	2.20	40	0.15	0.300	0.38	13.0	18.0	5.1	7.6	3.1	1.4	0.81	507-1341-ND	54	3.90	30.00	105.00	OZRC0110FF1A	
	90	1.35	2.70	40	0.12	0.228	0.30	14.5	19.6	5.1	7.6	3.1	1.4	0.81	507-1342-ND	57	4.13	31.75	111.13	OZRC0135FF1A	
	90	1.60	3.20	40	0.09	0.180	0.22	16.3	21.3	5.1	7.6	3.1	1.4	0.81	507-1343-ND	59	4.23	32.50	113.75	OZRC0160FF1A	
	90	1.85	3.70	40	0.08	0.144	0.19	17.8	22.9	5.1	7.6	3.1	1.4	0.81	507-1344-ND	63	4.55	35.00	122.50	OZRC0185FF1A	
	90	2.50	5.00	40	0.05	0.096	0.13	21.3	26.4	10.2	7.6	3.1	1.4	0.81	507-1345-ND	70	5.07	39.00	136.50	OZRC0250FF1A	
	90	3.00	6.00	40	0.04	0.072	0.10	24.9	30.0	10.2	7.6	3.1	1.4	0.81	507-1346-ND	76	5.46	42.00	147.00	OZRC0300FF1A	
	90	3.75	7.50	40	0.03	0.060	0.08	28.5	33.5	10.2	7.6	3.1	1.4	0.81	507-1347-ND	79	5.72	44.00	154.00	OZRC0375FF1A	
OZRE Series Line Voltage Radial ‡																					
6	240	0.05	0.12	1.0	18.50	31.00	65.00	8.3	10.7	5.1	7.6	3.8	1.4	0.51	507-1348-ND	50	3.58	27.50	96.25	OZRE0005FF1C	
	240	0.08	0.19	1.2	7.40	12.00	26.00	8.3	10.7	5.1	7.6	3.8	1.4	0.51	507-1349-ND	50	3.58	27.50	96.25	OZRE0008FF1C	
	240	0.12	0.30	1.2	3.00	6.50	12.00	8.3	10.7	5.1	7.6	3.8									