

# 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)	
<b>I<sub>h</sub></b>	Hold current-maximum current at which the device will not trip in still air
<b>I<sub>t</sub></b>	Trip current-maximum current at which the device will always trip in still air
<b>I<sub>max</sub></b>	Maximum fault current device can withstand without damage at rated voltage (V <sub>max</sub> )
<b>V<sub>max</sub></b>	Maximum voltage device can withstand without damage at its rated current
<b>R<sub>min</sub></b>	Minimum device resistance
<b>R<sub>max</sub></b>	Maximum device resistance
<b>R1<sub>max</sub></b>	Maximum device resistance, 1 hour after initial device trip

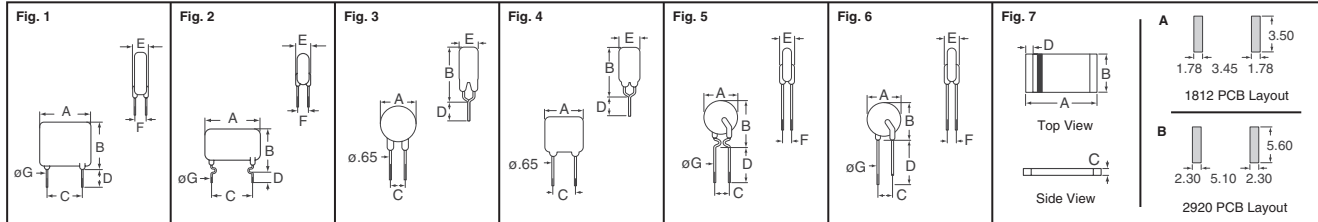


Fig.	Rated Voltage (VDC <sub>max</sub> )	Rated Current (23°C)		Max. Current (Imax)	Resistance Tolerance			Dimensions - mm						Digi-Key Part No.	Pricing				Bel Fuse Part No.		
		Hold (IH)	Trip (IT)		Rmin (Ω)	Rmax (Ω)	R1max (Ω)	A Max.	B Max.	C Typ.	D Min.	E Max.	F Typ.		G Lead Size	1	10	100		500	
<b>OZRA Series Radial Leaded</b>																					
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	58	4.16	32.00	112.00	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	62	4.49	34.50	120.75	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	71	5.14	39.50	138.25	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	76	5.46	42.00	147.00	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	80	5.79	44.50	155.75	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	90	6.47	49.75	174.13	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	94	6.79	52.25	182.88	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	1.03	7.44	57.25	200.38	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	1.14	8.26	63.50	222.25	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	1.23	8.91	68.50	239.75	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	1.37	9.88	76.00	266.00	OZRA1400FF1A		
<b>OZRB Series Radial Leaded</b>																					
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	3.28	25.25	88.38	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	48	3.48	26.75	93.63	OZRB1010FF1C	
	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	51	3.71	28.50	99.75	OZRB1135FF1E	
	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	53	3.80	29.25	102.38	OZRB1160FF1E	
	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	55	3.97	30.50	106.75	OZRB1185FF1E	
	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	62	4.49	34.50	120.75	OZRB1250FF1E	
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	64	4.62	35.50	124.25	OZRB1300FF1A	
	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	73	5.27	40.50	141.75	OZRB1400FF1A	
	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	91	6.60	50.75	177.63	OZRB1500FF1A	
	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	94	6.79	52.25	182.88	OZRB1600FF1A	
	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	1.03	7.44	57.25	200.38	OZRB1700FF1A	
	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	1.14	8.26	63.50	222.25	OZRB1800FF1A	
	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	1.37	9.88	76.00	266.00	OZRB1900FF1A	
	<b>OZRF Series Telecom Radial</b>																				
	3	60	0.08	0.16	3	14.0	22.00	33	5.8	9.6	5	4.7	4.6	—	—	507-1356-ND	46	3.35	25.75	90.13	OZRF0080FF1E
		60	0.11	0.22	3	5.0	11.00	16	6.8	9.9	5	4.7	4.6	—	—	507-1357-ND	46	3.35	25.75	90.13	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	46	3.35	25.75	90.13	OZRF0012FF1E	
	60	0.15	0.29	3	3.0	7.50	12	6.5	11.0	5	4.7	4.6	—	—	507-1359-ND	46	3.35	25.75	90.13	OZRF0015FF1E	
60	0.18	0.65	10	0.8	2.20	4	10.9	12.6	5	4.7	4.6	—	—	507-1360-ND	52	3.77	29.00	101.50	OZRF0018FF1A		
<b>OZRC Series Rated Radial</b>																					
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	41	2.96	22.75	79.63	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	41	2.96	22.75	79.63	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	41	2.96	22.75	79.63	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	41	2.96	22.75	79.63	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	41	2.96	22.75	79.63	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	44	3.15	24.25	84.88	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	44	3.15	24.25	84.88	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	44	3.15	24.25	84.88	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	46	3.32	25.50	89.25	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	46	3.32	25.50	89.25	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	48	3.48	26.75	93.63	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	3.64	28.00	98.00	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	3.64	28.00	98.00	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	55	3.97	30.50	106.75	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	59	4.29	33.00	115.50	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	68	4.94	38.00	133.00	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	76	5.46	42.00	147.00	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	89	6.44	49.50	173.25	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	96	6.92	53.25	186.38	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	1.05	7.57	58.25	203.88	OZRC0375FF1A	
<b>OZRE Series Line Voltage Radial</b>																					
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	3.64	28.00	98.00	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	3.64	28.00	98.00	OZRE0008FF1C	
	240	0.12	0.30	1.2	3.00	6.50	12.00	8.3	10.7	5.1	7.6	3.8	1.4	0.51	507-1350-ND	50	3.64	28.00	98.00	OZRE0012FF1C	
	240	0.16</																			