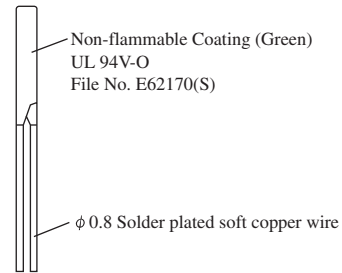
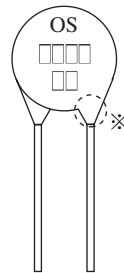
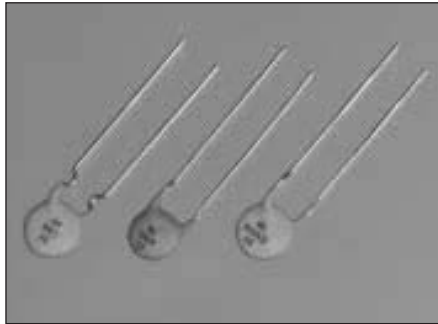


Power thermistors for rush current suppression.

■ Features

- Rush current suppression and power saving.
- High reliability, capable of high heat and power.

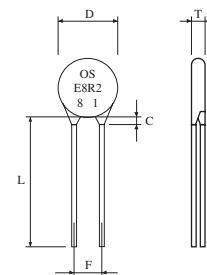


When a lead wire is applied with force, there may be some cracks or chippings in the part marked with ※. However, this will not affect any characteristic.

<E Series> Small, and Intermittent Overload Current Enduring

Model No.	Dimensions (mm)					
	Common				S type	F type
	D (Max.)	L (Min.)	F (±1)	T (Max.)	C (Max.)	Ho (Max.)
E□□□M06D□□□J	8.5	25.0	7.5	5.5	5.0	17.0
E□□□M08D□□□J	9.5	25.0	7.5	7.0	5.0	19.0
E□□□M10D□□□J	13.0	25.0	7.5	7.0	5.0	21.0
E□□□M12D□□□J	14.0	25.0	7.5	7.0	5.0	23.0
E□□□M14D□□□J	17.0	25.0	7.5	8.0	5.0	25.0
E□□□M18D□□□J	21.0	25.0	10.0	8.0	5.0	31.0
E□□□M20D□□□J	25.0	25.0	10.0	8.0	5.0	35.0

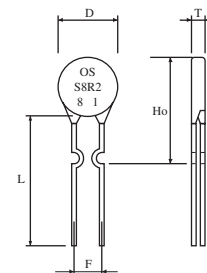
S type lead



<S Series> Small Dimensions

Model No.	Dimensions (mm)					
	Common				S type	I type
	D (Max.)	L (Min.)	F (±1)	T (Max.)	C (Max.)	Ho (Max.)
S□□□K08D□□□J	9.5	30.0	7.5	6.0	5.0	16.5
S□□□K10D□□□J	13.0	30.0	7.5	6.0	5.0	19.5
S□□□K12D□□□J	15.0	30.0	7.5	7.0	5.0	22.0
S□□□K14D□□□J	17.0	30.0	7.5	6.0	5.0	22.5

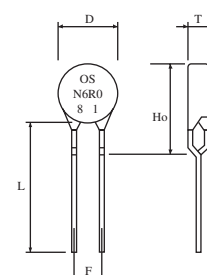
I type kinked lead



<N Series> General Use

Model No.	Dimensions (mm)					
	Common				S type	F type
	D (Max.)	L (Min.)	F (±1)	T (Max.)	C (Max.)	Ho (Max.)
N□□□L07D□□□J	9.5	25.0	7.5	6.0	5.0	18.0
N□□□L09D□□□J	11.0	25.0	7.5	6.0	5.0	20.0
N□□□L12D□□□J	14.0	25.0	7.5	6.0	5.0	23.0
N□□□L13D□□□J	16.0	25.0	7.5	8.0	5.0	25.0
N□□□L18D□□□J	21.0	25.0	10.0	8.0	5.0	31.0
N□□□L20D□□□J	25.0	25.0	10.0	8.0	5.0	35.0

F type kinked lead





<E Series>

Model No.	Nominal Zero Power Resistance R25(Ω) ±20%	Nominal B-Constant B25/50 (K) ±5%	Thermal Dissipation Factor δ(mW/°C)	Rated Current (25°C) I rat (A)	Max. Overload Current I ove (A)	Residual Resistance RI max. (Ω)	Thermal Time Constant τ (sec.)	Max. Capacitance (μF)	
								AC100V	AC240V
E5R1M06D280J	5.1	2800	10	2.7	4.0	0.306	17	400	69
E8R2M06D295J	8.2	2950	10	2.2	3.3	0.492	17	550	97
E100M06D295J	10.0	2950	10	2.0	3.0	0.600	17	680	118
E5R1M08D295J	5.1	2950	15	3.6	5.4	0.291	20	700	120
E8R2M08D295J	8.2	2950	15	3.0	4.4	0.467	25	700	120
E100M08D295J	10.0	2950	15	2.7	4.0	0.570	30	700	120
E160M08D315J	16.0	3150	15	2.4	3.5	0.537	30	800	140
E220M08D315J	22.0	3150	15	2.2	3.2	0.739	40	960	165
E2R2M10D295J	2.2	2950	17	5.7	8.6	0.125	40	1640	280
E3R0M10D295J	3.0	2950	17	5.0	7.4	0.174	45	1720	290
E5R1M10D315J	5.1	3150	17	4.3	6.4	0.181	40	1440	250
E8R2M10D315J	8.2	3150	17	3.4	5.0	0.295	50	1560	270
E100M10D315J	10.0	3150	17	3.1	4.6	0.336	60	1640	280
E160M10D325J	16.0	3250	17	2.7	4.0	0.480	80	1640	280
E220M10D325J	22.0	3250	17	2.4	3.6	0.659	90	1640	280
E2R0M12D295J	2.0	2950	18	6.3	9.4	0.116	120	2400	415
E2R4M12D295J	2.4	2950	18	5.8	8.6	0.139	120	2400	415
E3R0M12D295J	3.0	2950	18	5.2	7.8	0.171	130	2830	490
E5R1M12D325J	5.1	3250	18	4.6	6.8	0.153	130	2030	350
E8R2M12D325J	8.2	3250	18	3.6	5.3	0.246	165	2540	440
E100M12D325J	10.0	3250	18	3.4	5.0	0.300	185	2540	440
E1R0M14D295J	1.0	2950	20	9.0	13.4	0.060	90	3720	640
E2R0M14D295J	2.0	2950	20	6.6	9.8	0.114	90	4200	725
E3R0M14D315J	3.0	3150	20	6.2	9.2	0.111	90	3080	530
E5R1M14D315J	5.1	3150	20	4.8	7.2	0.153	110	3600	620
E8R2M14D325J	8.2	3250	20	3.7	5.5	0.246	165	4060	700
E100M14D325J	10.0	3250	20	3.5	5.2	0.300	200	4200	725
E1R0M18D295J	1.0	2950	21	9.2	13.8	0.060	200	6000	1030
E2R0M18D325J	2.0	3250	21	7.8	11.7	0.075	200	5000	865
E2R4M18D325J	2.4	3250	21	7.2	10.7	0.082	220	5000	865
E3R0M18D325J	3.0	3250	21	6.4	9.5	0.100	220	5000	865
E3R9M18D325J	3.9	3250	21	5.6	8.4	0.137	240	6000	1030
E5R1M18D325J	5.1	3250	21	5.0	7.4	0.153	240	6000	1030
E1R0M20D295J	1.0	2950	28	10.0	15.0	0.060	220	8200	1415
E2R0M20D325J	2.0	3250	28	8.4	12.5	0.075	220	8200	1415
E2R4M20D325J	2.4	3250	28	8.0	12.0	0.082	230	8200	1415
E3R0M20D325J	3.0	3250	28	7.2	10.8	0.100	230	8550	1480
E3R9M20D325J	3.9	3250	28	6.3	9.4	0.137	250	11400	1970
E5R1M20D325J	5.1	3250	28	5.5	8.2	0.153	250	12500	2160

<S Series>

Model No.	Nominal Zero Power Resistance R25(Ω) ±10%	Nominal B-Constant B25/50 (K) ± 5%	Thermal Dissipation Factor δ (mW/°C)	Max. Permissible Current (25°C) I Max. (A)	Residual Resistance RI Max. (Ω)	Thermal Time Constant τ (Sec.)	Max. Capacitance (μF)	
							AC100V	AC240V
S5R1K08D295J	5.1	2950	17	2.6	0.32	20	400	69
S8R2K08D295J	8.2	2950	17	2.1	0.51	25	560	97
S100K08D295J	10.0	2950	17	1.9	0.62	30	680	118
S160K08D315J	16.0	3150	17	1.7	0.78	30	800	138
S220K08D315J	22.0	3150	18	1.5	1.10	40	960	166
S2R2K10D295J	2.2	2950	18	4.2	0.14	40	1640	284
S3R0K10D295J	3.0	2950	18	3.6	0.19	45	1720	298
S5R1K10D315J	5.1	3150	19	3.2	0.25	40	1440	250
S8R2K10D315J	8.2	3150	19	2.5	0.40	50	1560	270
S100K10D315J	10.0	3150	19	2.3	0.49	60	1640	284
S2R2K12D295J	2.2	2950	19	4.2	0.16	70	2000	347
S3R0K12D295J	3.0	2950	19	4.8	0.21	85	2200	380
S5R1K12D315J	5.1	3150	19	4.1	0.28	70	2000	347
S8R2K12D315J	8.2	3150	19	3.4	0.45	80	2200	380
S1R0K14D295J	1.0	2950	20	6.7	0.062	90	3720	645
S2R0K14D295J	2.0	2950	22	4.9	0.13	90	4200	729
S3R0K14D315J	3.0	3150	22	4.6	0.15	90	3080	534
S5R1K14D315J	5.1	3150	23	3.6	0.25	110	3600	625

<N Series>

Model No.	Nominal Zero Power Resistance R25(Ω) ±15%	Nominal B-Constant B25/50 (K) ± 5%	Thermal Dissipation Factor δ (mW/°C)	Max. Permissible Current (25°C) I Max. (A)	Residual Resistance RI Max. (Ω)	Thermal Time Constant τ (Sec.)	Max. Capacitance (μF)	
							AC100V	AC240V
N220L07D325J	22.0	3250	16	1.4	1.003	125	305	52
N100L09D325J	10.0	3250	17	2.2	0.456	130	520	90
N160L09D325J	16.0	3250	17	1.7	0.730	160	830	144
N5R0L12D325J	5.0	3250	19	3.3	0.228	130	880	152
N8R0L12D325J	8.0	3250	19	2.6	0.365	160	1410	244
N100L12D325J	10.0	3250	20	2.4	0.456	185	1770	307
N5R0L13D325J	5.0	3250	20	3.4	0.228	124	880	152
N8R0L13D325J	8.0	3250	20	2.7	0.365	160	1410	244
N160L13D325J	16.0	3250	20	1.9	0.730	220	2830	491
N4R0L18D325J	4.0	3250	22	4.1	0.182	170	2030	352
N5R0L18D325J	5.0	3250	24	3.8	0.228	170	2540	440
N8R0L18D325J	8.0	3250	27	3.1	0.365	220	4060	704
N100L18D325J	10.0	3250	28	2.8	0.456	260	5080	881
N3R0L20D325J	3.0	3250	29	5.4	0.137	220	8550	1484
N4R0L20D325J	4.0	3250	30	4.7	0.182	230	11400	1979
N6R0L20D325J	6.0	3250	32	3.9	0.274	260	17100	2968