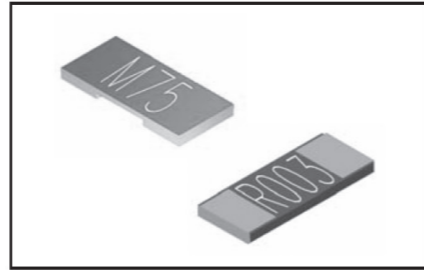


Ultra Low Ohm(Metal Strip) Chip Resistors

- High Wattage Rating Up to 3W
- Low TCR $\pm 50, \pm 100$ PPM/ $^{\circ}\text{C}$
- Resistance Values from 0.5 to 22m ohm
- Non-Laser Trimmed Low Inductance
- Customized Resistance Available



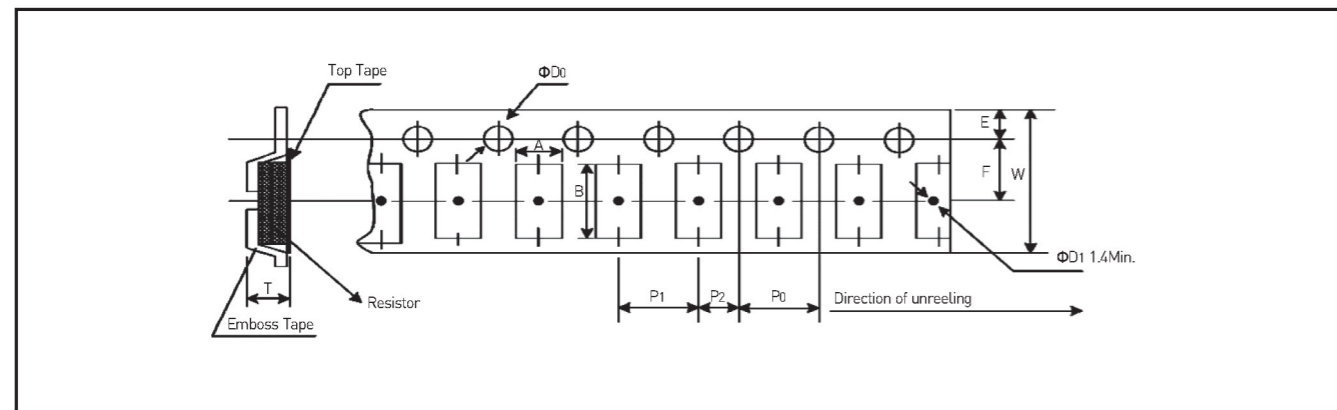
GENERAL SPECIFICATIONS

Model	Power Rating	Operating Temp. Range	Resistance Tolerance (%)	Resistance [m Ω]	TCR[PPM/ $^{\circ}\text{C}$]
LR06	1W	-55 $^{\circ}\text{C}$ +170 $^{\circ}\text{C}$	F [± 1] G [± 3] J [± 5]	1.0 ~ 10.0	50
LR10	1.5W			1.0 ~ 10.0	50
LR12	1W			2.5 ~ 3.0	150
				4.0 ~ 5.0	100
				6.0 ~ 7.0	75
				11.0 ~ 20.0	50
LR12 (High Power)	2W 2.5W 3W			1.0 ~ 10.0	50
				0.5 ~ 2.0	50
				7.0 ~ 10.0	50
				4.0 ~ 6.0	50
				0.5 ~ 0.75	100
				1.0 ~ 2	50
		3.0	50		

CHARACTERISTICS

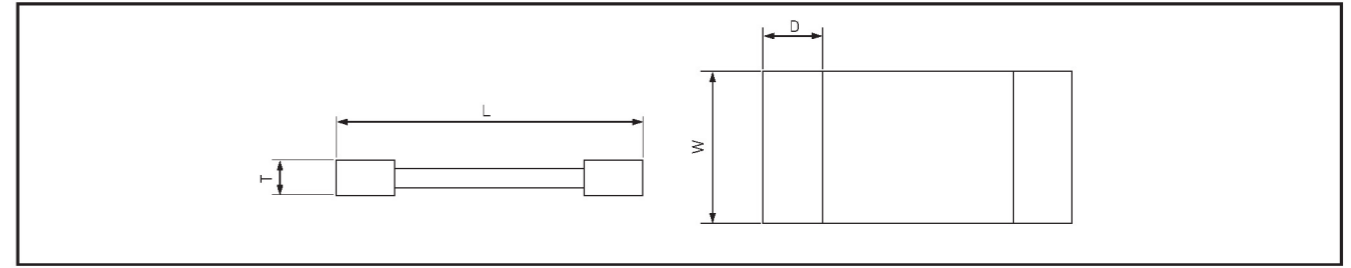
Item.	Specification		As Spec.
	Black coating	Green coating	
TCR			MIL-STD-202F Method 304 +25/-55/+25/+125/+25 $^{\circ}\text{C}$
Thermal Shock	$\pm 0.5\%$	$\pm 1\%$	MIL-STD-202F Method 107G -55 $^{\circ}\text{C}$ ~+150 $^{\circ}\text{C}$, 100 Cycles
Short Time Overload	$\pm 0.5\%$	$\pm 1\%$	JIS-C-5202-5.5 5xRated power, 5 sec.
Resistance to Dry Heat	$\pm 1\%$	$\pm 1\%$	JIS-C-5202-7.2 96 hours, @ +170 $^{\circ}\text{C}$ without load
Load Life	$\pm 1\%$	$\pm 1\%$	MIL-STD-202F Method 108A RCWW, 70 $^{\circ}\text{C}$, 1.5 hours on, 0.5 hours off for 1000~1048 hours
Resistance to Soldering Heat	$\pm 0.5\%$	$\pm 1\%$	MIL-STD-202F Method 210E 260 $\pm 5^{\circ}\text{C}$, 10 ± 1 sec.
Solderability			MIL-STD-202F Method 208H 245 $\pm 5^{\circ}\text{C}$, 3 ± 0.5 sec.

EMBOSSED PLASTIC TAPE DIMENSIONS (mm)



Size	Resistance[m Ω]	A	B	W	E	F	P0	P1	P2	ΦD0	T
LR10	1 ~ 10	2.85 ± 0.1	5.55 ± 0.1	12.0 ± 0.2	1.75 ± 0.1	5.5 ± 0.05	4.0 ± 0.10	4.0 ± 0.1	2.0 ± 0.05	1.50 ± 0.1	0.85 ± 0.1
LR12	0.50	3.40 ± 0.1	6.70 ± 0.1	12.0 ± 0.1	1.75 ± 0.1	5.5 ± 0.05	4.0 ± 0.05	4.0 ± 0.1	2.0 ± 0.05	1.50 ± 0.1	1.40 ± 0.1
	0.75	3.50 ± 0.1	6.80 ± 0.1	12.0 ± 0.1	1.75 ± 0.1	5.5 ± 0.05	4.0 ± 0.05	4.0 ± 0.1	2.0 ± 0.05	1.50 ± 0.1	1.35 ± 0.1
	1~22	3.40 ± 0.1	6.70 ± 0.1	12.0 ± 0.1	1.75 ± 0.1	5.5 ± 0.05	4.0 ± 0.05	4.0 ± 0.1	2.0 ± 0.05	1.50 ± 0.1	0.80 ± 0.1

DIMENSIONS [mm]

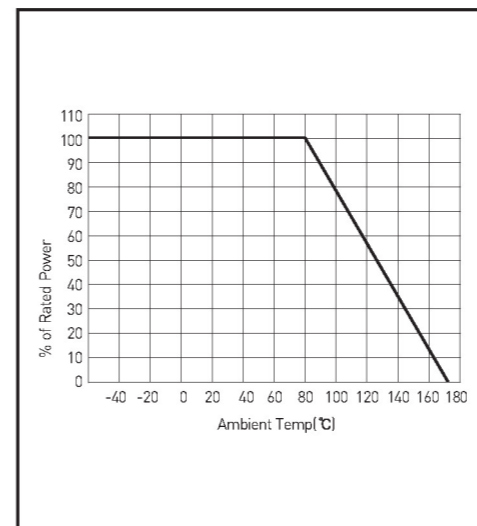


Part NO.	Resistance [m Ω]	L	W	T	D
LR06	1.0~10	3.20 ± 0.25	1.60 ± 0.10	0.60 ± 0.20	0.98 ± 0.38
LR10	1.0~10	5.08 ± 0.25	2.54 ± 0.15	0.60 ± 0.20	1.67 ± 0.63
LR12	0.50~0.75	6.35 ± 0.25	3.18 ± 0.35	1.00 ± 0.20	1.93 ± 0.75
LR12	1.0~22	6.35 ± 0.25	3.18 ± 0.35	0.60 ± 0.20	1.93 ± 0.75
LR12	0.50	6.35 ± 0.25	3.18 ± 0.25	1.40 ± 0.20	1.30 ± 0.30
LR12	0.75	6.35 ± 0.25	3.18 ± 0.25	1.00 ± 0.20	1.30 ± 0.30
LR12	1.00	6.35 ± 0.25	3.18 ± 0.25	0.80 ± 0.20	1.30 ± 0.30
LR12	1.50	6.35 ± 0.25	3.18 ± 0.25	0.65 ± 0.20	1.30 ± 0.30
LR12	2.00	6.35 ± 0.25	3.18 ± 0.25	0.50 ± 0.20	1.30 ± 0.30
LR12	2.50	6.35 ± 0.25	3.18 ± 0.25	1.00 ± 0.20	1.30 ± 0.30
LR12	3.00	6.35 ± 0.25	3.18 ± 0.25	0.70 ± 0.20	1.30 ± 0.30
LR12	3.50	6.35 ± 0.25	3.18 ± 0.25	0.41 ± 0.20	1.30 ± 0.30
LR12	4.00	6.35 ± 0.25	3.18 ± 0.25	0.60 ± 0.20	1.30 ± 0.30
LR12	4.50	6.35 ± 0.25	3.18 ± 0.25	0.58 ± 0.20	1.30 ± 0.30
LR12	5.00	6.35 ± 0.25	3.18 ± 0.25	0.50 ± 0.20	1.30 ± 0.30
LR12	5.50	6.35 ± 0.25	3.18 ± 0.25	0.47 ± 0.20	1.30 ± 0.30
LR12	6.00	6.35 ± 0.25	3.18 ± 0.25	0.50 ± 0.20	1.30 ± 0.30
LR12	6.50	6.35 ± 0.25	3.18 ± 0.25	0.47 ± 0.20	1.30 ± 0.30
LR12	7.00	6.35 ± 0.25	3.18 ± 0.25	0.45 ± 0.20	1.30 ± 0.30
LR12	10.0	6.35 ± 0.35	3.20 ± 0.25	0.80 ± 0.15	1.90 ± 0.15

PACKAGING REEL SPECIFICATIONS

Model	Dimension [mm]					Emboss Plastic Type [pcs]
	ΦA	ΦB	ΦC	W	T	
LR12	180 $^{+0}_{-3}$	60 $^{+1}_{-0}$	13.0 ± 1.0	9.0 ± 0.5	11.4 ± 1.0	2000 2000

DERATING CURVE



ORDERING PROCEDURE EXAMPLE

