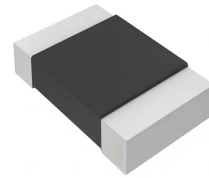
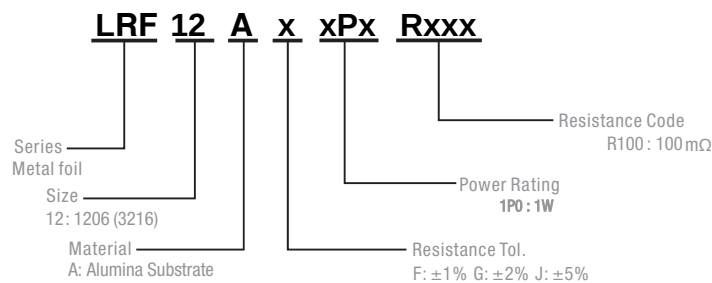


Description

- Low Resistance and High Accuracy Resistor for Current Detection
- Large Electrode (All series)
- Good Performance for Heat Dissipation
- High Purity Alumina Substrate for High Power Dissipation
- Pb-free to Meet RoHS Requirements



Part Numbering System



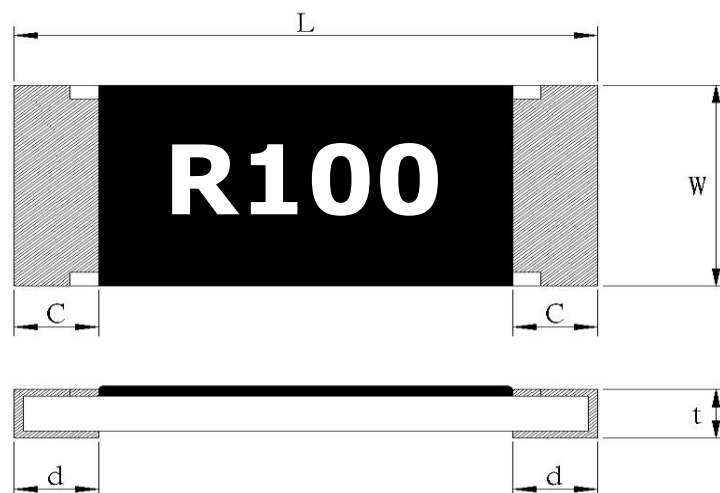
Parameter	Standard
Power Rating	1206: 1W 2512: 2W
Resistance Value	100~910mΩ
Operating Temperature Range	-55 to +155°C
Component Temperature Coefficient (TCR)	± 100 ppm/°C
Maximum Working Voltage (V)	$(P \times R)^{1/2}$
Rating Current(A)	$(P / R)^{1/2}$

P=Power Rating; R=Resistance Value

Standard Electrical Specifications

Type	Rating Power at 70°C	T.C.R. (ppm/°C)	Resistance Range(mΩ) 1.0% (F) 2.0% (G) 5.0% (J)	Operating Temperature(°C)
LRF12	1W	100	100-910	-55~+155°C
LRF25	2W			

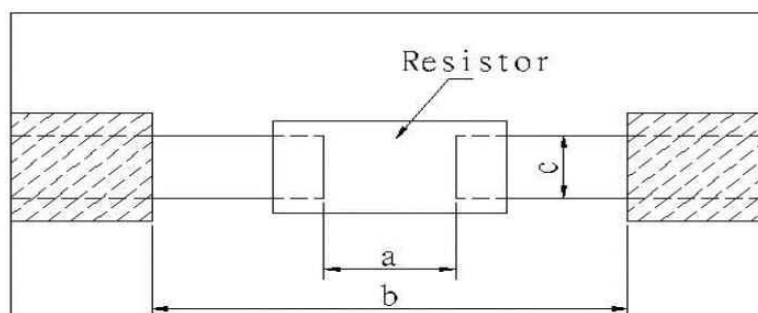
Dimensions



Unit: mm

Type	L	W	C	d	t
LRF 12	3.10±0.20	1.55±0.20	0.50±0.30	0.40±0.20	0.55±0.10
LRF 25	6.30±0.20	3.20±0.20	0.60±0.30	0.50±0.25	

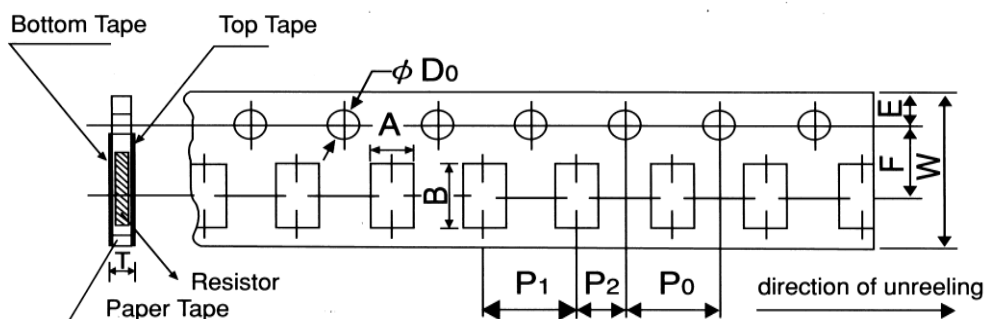
Recommended land pattern



Unit: mm

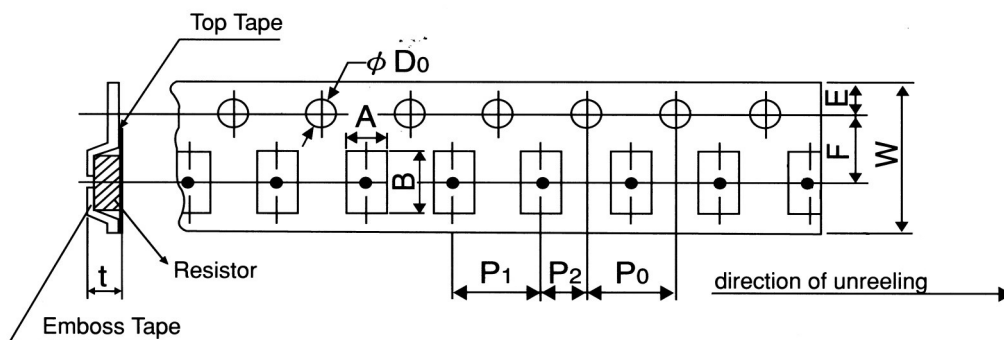
Type	a	b	C
LRF12	1.80±0.20	4.70±0.30	1.50±0.30
LRF25	3.80±0.20	8.10±0.50	3.40±0.60

Tapping & Package



Unit: mm

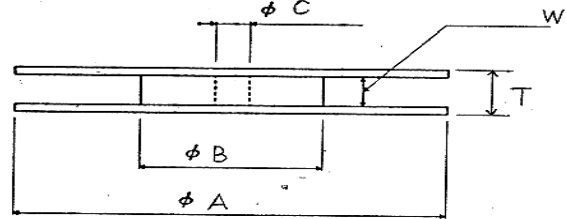
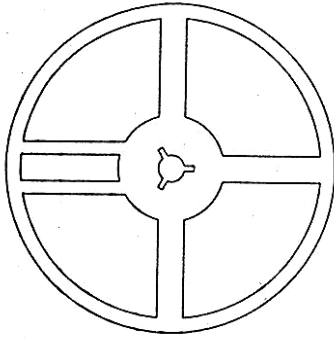
Type	Pack	A	B	D0	E	F	P0	P1	P2	W	T
1206	Paper	2.00±0.20	3.60±0.20	1.50±0.10	1.75±0.10	3.50±0.05	4.00±0.10	4.00±0.10	2.00±0.10	8.00±0.20	0.84±0.10



Unit: mm

Type	Pack	A	B	D0	E	F	P0	P1	P2	W	T
2512	Emboss	3.60±0.20	6.90±0.20	1.50±0.10	1.75±0.10	5.50±0.05	4.00±0.05	4.00±0.10	2.00±0.05	12.00±0.20	0.85±0.15

Reel Specification



Unit: mm

Type	A	B	C	W	T
1206	178.00±0.20	60.00±1.0	13.00±1.00	9.00±1.00	11.50±1.00
2512				13.00±1.00	15.50±1.00

Derating Curve

For resistors operated at ambient temperature over 70°C, power rating shall be derated in accordance with figure 1.

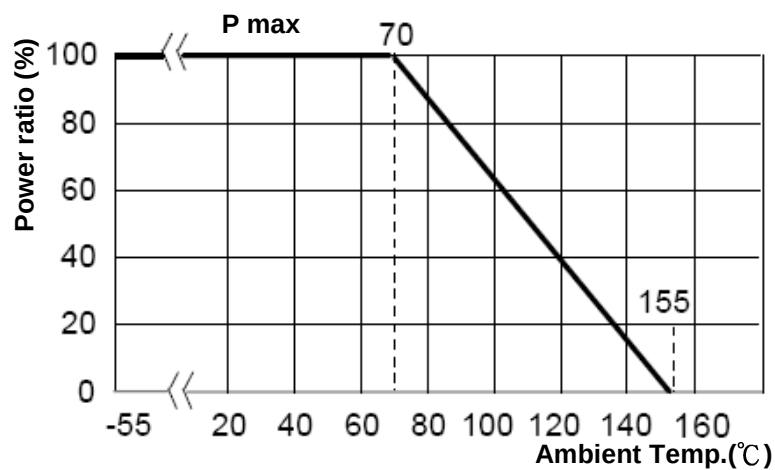


Figure 1

Packaging

Quantity: 1206: 5,000pcs; 2512: 4,000pcs

8mm wide tape on 178mm(7 inch) diameter reel -specification EIA Standard 481.