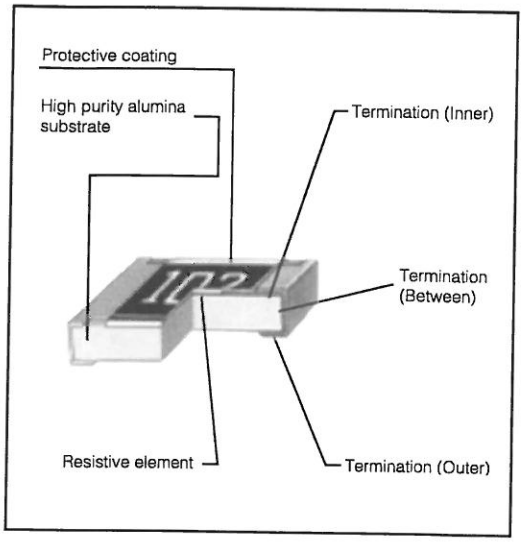
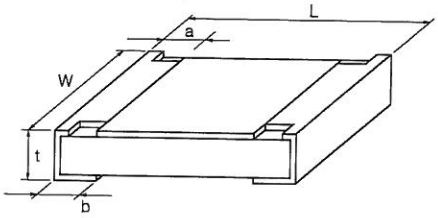
Construction



Dimensions in mm (not to scale)



	Type (inches)	Dimensions (mm) L	W	a	b	t	Weight (1000 pcs.)
NEW	ERJ1G (0201)	$0.60^{\pm 0.03}$	$0.30^{\pm 0.03}$	$0.15^{\pm 0.05}$	$0.15^{\pm 0.05}$	$0.25^{\pm 0.05}$	0.15 g
	ERJ2G (0402)	$1.00^{\pm 0.05}$	$0.50^{\pm 0.05}$	$0.20^{\pm 0.10}$	$0.25^{\pm 0.05}$	$0.35^{\pm 0.05}$	0.8 g
	ERJ3G (0603)	$1.60^{\pm 0.15}$	$0.80^{+0.15}_{-0.05}$	$0.30^{\pm 0.20}$	$0.30^{\pm 0.15}$	$0.45^{\pm 0.10}$	2 g
	ERJ6G (0805)	$2.00^{\pm 0.20}$	$1.25^{\pm 0.10}$	$0.40^{\pm 0.20}$	$0.40^{\pm 0.20}$	$0.60^{\pm 0.10}$	4 g
	ERJ8G (1206)	$3.20^{+0.05}_{-0.20}$	$1.60^{+0.05}_{-0.15}$	$0.50^{\pm 0.20}$	$0.50^{\pm 0.20}$	$0.60^{\pm 0.10}$	10 g
	ERJ14 (1210)	$3.20^{\pm 0.20}$	$2.50^{\pm 0.20}$	$0.50^{\pm 0.20}$	$0.50^{\pm 0.20}$	$0.60^{\pm 0.10}$	16 g
	ERJ12 (1812)	$4.50^{\pm 0.20}$	$3.20^{\pm 0.20}$	$0.50^{\pm 0.20}$	$0.50^{\pm 0.20}$	$0.60^{\pm 0.10}$	27 g
	ERJ12Z (2010)	$5.00^{\pm 0.20}$	$2.50^{\pm 0.20}$	$0.60^{\pm 0.20}$	$0.60^{\pm 0.20}$	$0.60^{\pm 0.10}$	27 g
NEW	ERJ1T (2512)	$6.40^{\pm 0.20}$	$3.20^{\pm 0.20}$	$0.65^{\pm 0.20}$	$0.60^{\pm 0.20}$	$0.60^{\pm 0.10}$	45 g

Ratings

Type (inches)	Power Rating at 70 °C (W)	Limiting Element Voltage (Maximum RCWV)(1) (V)	Maximum Overload Voltage(2) (V)	Resistance Tolerance(%)	Resistance Range (Ω) min.	Resistance Range (Ω) max.	T.C.R. ×10⁻⁶/°C (ppm/°C)	Standard Resistance Values
ERJ1G (0201)	0.05	15	30	± 5	10	1 M	<10 Ω: −100 to +600	E24
ERJ2G (0402)	0.063	50	100	± 5	1	2.2 M		E24
ERJ3G (0603)	0.1	50	100	± 5	1	10 M		E24
ERJ6G (0805)	0.125	150	200	± 5	1	10 M	10 Ω to 1 MΩ: ±200	E24
ERJ8G (1206)	0.25	200	400	± 5	1	10 M		E24
ERJ14 (1210)	0.25	200	400	± 5	1	10 M		E24
ERJ12, 12Z (1812, 2010)	0.5	200	400	± 5	1	10 M	1 MΩ<: −400 to +150	E24
ERJ1T (2512)	1	200	400	± 5	1	1 M		E24

		Rated Current	Maximum Overload Current
Jumper	1G	0.5 A	1 A
	2G · 3G	1 A	2 A
	6G·8G·14·12·12Z·1T	2 A	4 A

(1) Rated Continuous Working Voltage (RCWV) shall be determined from RCWV=$\sqrt{\text{Power Rating} \times \text{Resistance Values}}$, or Limiting Element Voltage (max. RCWV) listed above, whichever is less.

(2) Overload (Short-time Overload) Test Voltage (SOTV) shall be determined from SOTV=2.5× Power Rating or max. Overload Voltage listed above whichever is less.