

■ Standard Products(Bi-polar)

W.V. (V)	Cap. (±20%) (μF)	Case size			Specification			Part No. (RoHS:compliant)	Min. Packaging Q'ty
		Dia. (mm)	Length (mm)	Size Code	Ripple Current (120Hz) (+85°C) (mA)	tan δ (120Hz) (+20°C)	Endur- ance (hours)		
6.3	22	5	5.4	C	29	0.52	2000	EEE0JA220NR	(1) 1000
	47	6.3	5.4	D	46	0.52	2000	EEE0JA470NP	(1) 1000
10	10	4	5.4	B	25	0.40	2000	EEE1AA100NR	(1) 2000
	33	6.3	5.4	D	43	0.40	2000	EEE1AA330NP	(1) 1000
16	4.7	4	5.4	B	20	0.32	2000	EEE1CA4R7NR	(1) 2000
	10	5	5.4	C	25	0.32	2000	EEE1CA100NR	(1) 1000
	22	6.3	5.4	D	39	0.32	2000	EEE1CA220NP	(1) 1000
25	3.3	4	5.4	B	12	0.28	2000	EEE1EA3R3NR	(1) 2000
	4.7	5	5.4	C	21	0.28	2000	EEE1EA4R7NR	(1) 1000
	10	6.3	5.4	D	28	0.28	2000	EEE1EA100NP	(1) 1000
35	2.2	4	5.4	B	12	0.24	2000	EEE1VA2R2NR	(1) 2000
	4.7	5	5.4	C	22	0.24	2000	EEE1VA4R7NR	(1) 1000
	10	6.3	5.4	D	30	0.24	2000	EEE1VA100NP	(1) 1000
50	0.22	4	5.4	B	2	0.24	2000	EEE1HAR22NR	(1) 2000
	0.33	4	5.4	B	3	0.24	2000	EEE1HAR33NR	(1) 2000
	0.47	4	5.4	B	5	0.24	2000	EEE1HAR47NR	(1) 2000
	1	4	5.4	B	10	0.24	2000	EEE1HA010NR	(1) 2000
	2.2	5	5.4	C	16	0.24	2000	EEE1HA2R2NR	(1) 1000
	3.3	5	5.4	C	21	0.24	2000	EEENZ1H3R3R	(1) 1000
	4.7	6.3	5.4	D	31	0.24	2000	EEE1HA4R7NP	(1) 1000

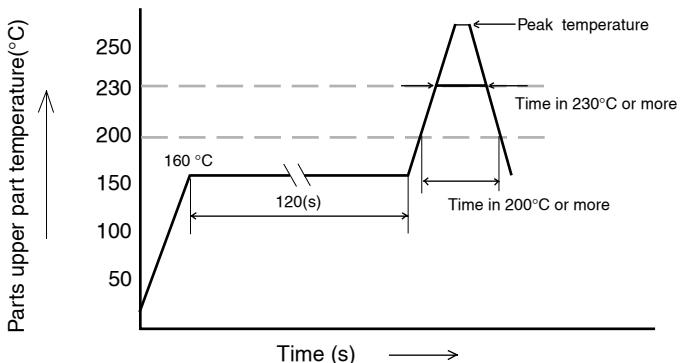
The taping dimensions are explained on p.195 of our Catalog.

Please use it as a reference guide.

Reflow Profile(Fig-1 to Fig-6) listed on p.193 of our Catalog.

■ Reflow guaranteed condition

● RoHS compliant



Lead-Free reflow

Reflow No	Fig.(1)	Fig.(2)	Fig.(3)	Fig.(4)
Category	φ 3 to φ 6.3	φ 8 to φ 10	φ 12.5 to φ 18	EB series only (φ 10 to φ 18)
Peak temperature	250°C	235°C	230°C (220°C)	230°C
Time in peak temperature	5s	5s	5s (s)	5s
Time in 200°C or more	60s	60s	20s (30s)	20s
Time of reflow	1 time	1 time	1 time	1 time

High temperature Lead-Free reflow

Reflow No	Fig.(5)	Fig.(6)
Category	φ 4 to φ 6.3	φ 8 to φ 10
Peak temperature	260°C (255°C)	245°C
Time around peak temperature	5s in (10s) in 250°C or more	10s in 240°C or more
Time in 230°C or more	30s	30s
Time in 200°C or more	70s	70s
Time of reflow	2 times	2 times

● RoHS not compliant

Ctegory	Dia. φ3 to φ 6.3 EEV- , ECEV- Part No.	Dia. φ8 to φ 10 EEV- , ECEV- Part No.
Reflow condition	Peak temperature/ Time in 200°C or more 	Peak temperature/ Time in 200°C or more

* For reflow, use athermal condition system such as infrared radiation(IR) or hot blast.

* Vapor heat transfer systems(VPS) are not recommended.

Design, and specifications are each subject to change without notice. Ask factory for the current technical specifications before purchase and / or use. Should a safety concern arise regarding this product, please be sure to contact us immediately.