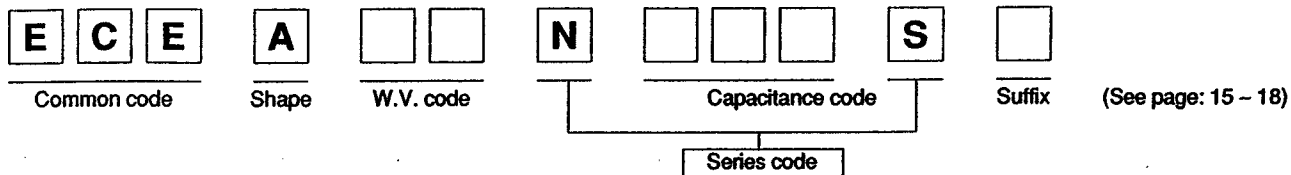
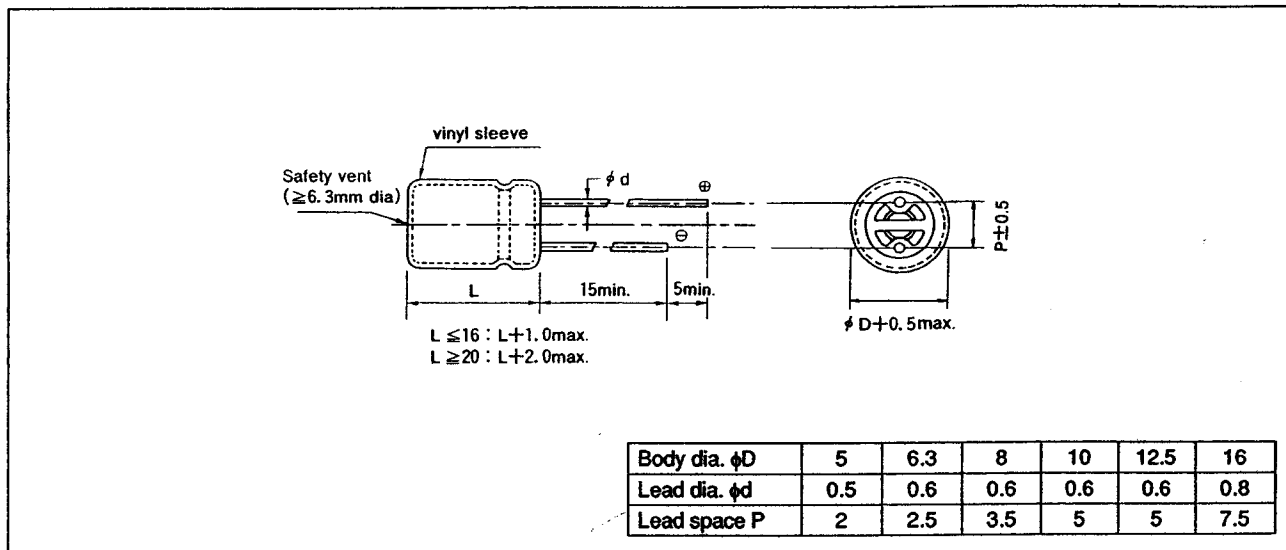


Part Number System



Dimensions

[mm]



Case Size Table

$\phi D \times L$ [mm]

Cap. [μF]	W.V. [V.DC]	6.3 (0J)	10 (1A)	16 (1C)	25 (1E)	50 (1H)
0.47 (R47)						5 × 11
1 (010)						5 × 11
2.2 (2R2)						5 × 11
3.3 (3R3)						5 × 11
4.7 (4R7)					5 × 11	6.3 × 11.2
10 (100)				5 × 11	5 × 11	8 × 11.5
22 (220)			5 × 11	6.3 × 11.2	6.3 × 11.2	10 × 12.5
33 (330)		5 × 11	6.3 × 11.2	6.3 × 11.2	8 × 11.5	10 × 16
47 (470)		6.3 × 11.2	6.3 × 11.2	8 × 11.5	10 × 12.5	10 × 20
100 (101)		8 × 11.5	10 × 12.5	10 × 12.5	10 × 16	12.5 × 25
220 (221)		10 × 12.5	10 × 16	10 × 20	12.5 × 25	
330 (331)		10 × 16	10 × 20	12.5 × 20		
470 (471)		10 × 20	12.5 × 20	12.5 × 25		
1000 (102)		12.5 × 25	16 × 25	16 × 25		

() shows W.V. & capacitance code

* 35, 63 and 100V working voltage products are available on request.

Standard Products Table

W.V. [V.DC]	Cap. [μF]	Part No.	Cap. tol. [%] (120Hz/+20°C)	D.C.L. (+20°C/5 min.) [μA] max.	tan δ (120Hz/+20°C) max.	Ripple current (120Hz/+85°C) [mA] rms max.	Dimensions [mm]	
							φD	L
6.3 (8)	33	ECEA0JN330S	±20	9.2	0.30	80	5	11
	47	ECEA0JN470S		11.8	0.30	100	6.3	11.2
	100	ECEA0JN101S		21.9	0.30	160	8	11.5
	220	ECEA0JN221S		44.5	0.30	250	10	12.5
	330	ECEA0JN331S		65.3	0.30	320	10	16
	470	ECEA0JN471S		91.8	0.30	380	10	20
	1,000	ECEA0JN102S		192.0	0.30	530	12.5	25
10 (13)	22	ECEA1AN220S	±20	9.6	0.25	60	5	11
	33	ECEA1AN330S		12.9	0.25	80	6.3	11.2
	47	ECEA1AN470S		17.1	0.25	100	6.3	11.2
	100	ECEA1AN101S		33.0	0.25	160	10	12.5
	220	ECEA1AN221S		69.0	0.25	250	10	16
	330	ECEA1AN331S		102.0	0.25	340	10	20
	470	ECEA1AN471S		144.0	0.25	400	12.5	20
	1,000	ECEA1AN102S		303.0	0.25	580	16	25
16 (20)	10	ECEA1CN100S	±20	7.8	0.20	40	5	11
	22	ECEA1CN220S		13.5	0.20	70	6.3	11.2
	33	ECEA1CN330S		18.8	0.20	90	6.3	11.2
	47	ECEA1CN470S		25.5	0.20	110	8	11.5
	100	ECEA1CN101S		51.0	0.20	200	10	12.5
	220	ECEA1CN221S		108.6	0.20	320	10	20
	330	ECEA1CN331S		161.4	0.20	405	12.5	20
	470	ECEA1CN471S		228.6	0.20	480	12.5	25
	1,000	ECEA1CN102S		483.0	0.20	700	16	25
25 (32)	4.7	ECEA1EN4R7S	±20	6.5	0.15	25	5	11
	10	ECEA1EN100S		10.5	0.15	45	5	11
	22	ECEA1EN220S		19.5	0.15	80	6.3	11.2
	33	ECEA1EN330S		27.7	0.15	110	8	11.5
	47	ECEA1EN470S		38.2	0.15	140	10	12.5
	100	ECEA1EN101S		78.0	0.15	230	10	16
	220	ECEA1EN221S		168.0	0.15	400	12.5	25
50 (63)	0.47	ECEA1HNR47S	±20	3.7	0.15	10	5	11
	1	ECEA1HN010S		4.5	0.15	10	5	11
	2.2	ECEA1HN2R2S		6.3	0.15	18	5	11
	3.3	ECEA1HN3R3S		7.9	0.15	25	5	11
	4.7	ECEA1HN4R7S		10.0	0.15	35	6.3	11.2
	10	ECEA1HN100S		18.0	0.15	60	8	11.5
	22	ECEA1HN220S		36.0	0.15	100	10	12.5
	33	ECEA1HN330S		52.5	0.15	140	10	16
	47	ECEA1HN470S		73.5	0.15	180	10	20
	100	ECEA1HN101S		153.0	0.15	320	12.5	25