

**CAYE SERIES:** Radial, 105°C, Higher Ripple Current**A.E.CAP.****FEATURES**

- ◆ 105°C, 2,000hours assured.
- ◆ Ultra Low ESR, solid capacitors with large permissible ripple current
- ◆ RoHS Compliance



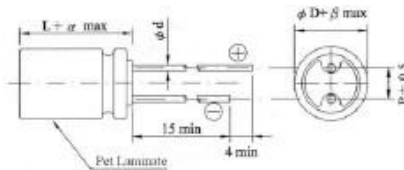
Items	Performance
Operating Temperature Range	-55 ℃ ~+105℃
Capacitance Tolerance	+20% (at 120Hz, 20℃)
Leakage Current (at 20℃)	Less than 0.2CV (μA) after 2 min, where, C = rated capacitance in F. V = rated DC working voltage in V.
Dissipation Factor (at 120Hz, 20℃)	Less or equal to the value at dimension & permissible ripple current
ESR (at 100K ~ 300KHz, m℄•20℃ MAX)	Less or equal to the value at dimension & permissible ripple current
Load Life Test	
Moisture Resistance	
Standards	JIS C 5101-1

DIMENSION & PERMISSIBLE RIPPLE CURRENT

W.V. (V)	Capacitance (F)	Size	Tan	L.C.	E.S.R. (100k-300kHz, m20 C MAX)	Rated R.C. (mA/rms at 100kHz, 10)5
2.5V (0E)	470	8 x 8	0.10	235	9	5,000
	560	8 x 8	0.12	280	8	5,000
	820	8 x 8	0.10	410	7	6,200
	8 x 12	0.12	410	7	6,200	
	1,000	8 x 8	0.12	500	7	6,200
	1,500	10 x 12.5	0.12	750	7	6,500
4V (0G)	2,700	10 x 12.5	0.12	1,350	7	7,200
	560	8 x 8	0.10	448	7	6,200
	8 x 12	0.12	448	7	6,200	
	820	8 x 8	0.10	656	7	6,200
	1,000	8 x 8	0.10	800	7	6,200
	1,200	10 x 12.5	0.12	960	7	6,200
6.3V (0J)	1,500	10 x 12.5	0.12	1,200	7	6,500
	2,200	10 x 12.5	0.12	1,760	8	7,200
	220	8 x 8	0.10	277	10	5,000
	470	8 x 12	0.12	592	7	6,200
	8 x 8	0.12	592	7	6,200	
	8 x 12	0.12	706	7	6,200	
10V (1A)	820	8 x 8	0.10	1,033	7	6,200
	8 x 12	0.10	1,033	8	5,500	
	1,500	10 x 12	0.12	1,890	7	6,200
	470	10 x 12.5	0.12	940	8	6,000
	560	10 x 12.5	0.12	1,120	8	6,000
	270	8 x 12	0.12	864	8	5,000
16V (1C)	330	10 x 12.5	0.12	1,056	8	6,000
	470	10 x 12.5	0.12	1,504	8	6,000

PAD SPACING AND DIAMETER

	8	10
Unit: mm		
φD	8.0	12.0
L	12.0	12.5
P	3.5	5.0
φd	0.6	
a	1.0	1.5
β	0.5	

**PART NUMBER EXAMPLE**

CAYE 477 M 1C BK100125 F

Series: CAYE
Capacitance Code: 477
Tolerance Code: M
Case Size: 1C
Package: BK
Rated Voltage: 100
Flat Rubber: 125
Case Size: F

Code	Lead Forming Type
O	Bulk
T	5mm Chip tape
A	(Φ4~Φ6.3)2.5mm tape
F	(Φ4~Φ8)5mm tape
P	Φ≥Φ8mm original(vertical)tape
M	5mm Lead forming
C	C Lead forming
B	B Lead forming
D	(Φ4~Φ8)2.5mm Lead forming