CAYF SERIES: SMT,105°C, Higher Ripple Current

FEATURES

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

SPECIFICATIONS

Items	Performance
Operating Temperature Range	-55C ~ +105°C
Capacitance Tolerance	+20% (at 120Hz, 20°C)
Leakage Current (at 20°C)	I=0.2CV (μA) whichever is greater (after 2 minutes) Where, C=rated capacitance in μF. V=rated DC working voltage in V.
Dissipation Factor (Tan ä at 120Hz, 20°C)	See the Dimension & Permissible Ripple Current
ESR (at 100K ~ 300K Hz, 20°C)	See the Dimension & Permissible Ripple Current
Load Life Test	Test Time: 2,000Hrs Capacitance Change: Within ±20% of initial value Dissipation Factor: Less than 200% of specified value ESR: Less than 200% of specified value Leakage Current: Within specified value * The above specifications shall be satisfied when the capacitors are restored to 20°C after the rated voltage applied for 2,000 hrs at 105°C
Moisture Resistance	Store at 60°C, 90 to 95% R.H. Test time: 1,000 hrs, other items are the same as those for the load life test. Test Time: 1,000 Hrs Capacitance Change: Within +20% of initial value Dissipation Factor: Less than 150% of specified value Leakage Current: Within specified value * Leakage current should be tested after voltage treatment.
Standards	JIS C 5101-1

DIMENSION & PERMISSIBLE RIPPLE CURRENT

W.V. (V)	Capacitance (μF)	Size ö DxL(mm)	Tan (120Hz, 20°C)	L.C. (μA)	E.S.R. (mΩ/at 100k~300k Hz, 20°C MAX)	Rated R.C. (mA/rms at 100kHz, 105°C)
	1,500	8 x 12	0.15	750	12	5,150
2.5V (0E)	1,500	10 x 13	0.15	750	7	7,200
	2,700	10 x 13	0.15	1,350	11	5,600
	1,200	8 x 12	0.15	960	12	4,700
4V (0G)	1,200	10 x 13	0.15	960	7	7,200
	2,200	10 x 13	0.15	1,760	11	7,200
	820	8 x 12	0.15	1,033	13	4,700
6.3V (0J)	820	10 x 13	0.15	1,890	7	5,600
	1,500	10 x 13	0.15	1,890	12	5,560

PAD SPACING AND DIAMETER

Unit: mm

D	L	A	B	C	W	P+0.2
8	11.8+0.5	8.4	8.4	3.0	0.7 to 1.1	3.1
10	12.7+0.5	10.4	10.4	3.3	0.7 to 1.1	4.7