FTP Series

- Ideal for inverter smoothing capacitors such as Electric Vehicles, Hybrid Cars, etc.
- Endurance with ripple current : 5,000 hours at 85℃
- Rated voltage range : 63 to 450Vdc
- Lower profile offers drastic space saving compared with conventional cylindrical type
- Superior heat radiation realizes higher ripple current
- **RoHS Compliant**

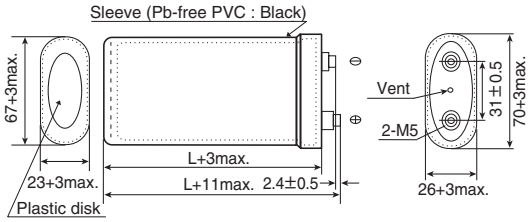
◆SPECIFICATIONS

Items	Characteristics
Category Temperature Range	−40 to +85℃ (63～100Vdc), −25 to +85℃ (350～450Vdc)
Rated Voltage Range	63 to 450Vdc
Capacitance Tolerance	±20% (M) (at 20℃, 120Hz)
Leakage Current	I=0.02CV or 5mA, whichever is smaller. Where, I : Max. leakage current (μA), C : Nominal capacitance (μF), V : Rated voltage (V) (at 20℃ after 5 minutes)
Dissipation Factor (tanδ)	0.25 max. (at 20℃, 120Hz)
Low Temperature Characteristics	Capacitance change 63 to 100Vdc : C(-40℃)/C(+20℃)≧0.6 350 to 450Vdc : C(-25℃)/C(+20℃)≧0.7 (at 120Hz)
Endurance	The following specifications shall be satisfied when the capacitors are restored to 20℃ after subjected to DC voltage with the rated ripple current is applied (the peak voltage shall not exceed the rated voltage) for 5,000 hours at 85℃. Capacitance change ≦±20% of the initial value D.F. (tanδ) ≦200% of the initial specified value Leakage current ≦The initial specified value
Shelf Life	The following specifications shall be satisfied when the capacitors are restored to 20℃ after exposing them for 1,000 hours at 85℃ without voltage applied. Before the measurement, the capacitor shall be preconditioned by applying voltage according to Item 4.1 of JIS C 5101-4. Capacitance change ≦±20% of the initial value D.F. (tanδ) ≦200% of the initial specified value Leakage current ≦The initial specified value

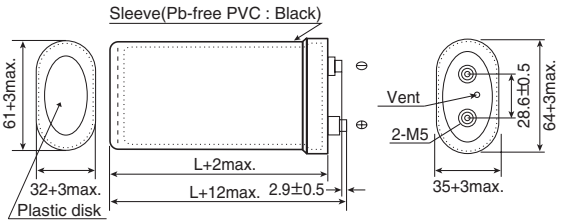
◆DIMENSIONS (Screw-Mount) [mm]

●Terminal Code : LG

●Size Code : L



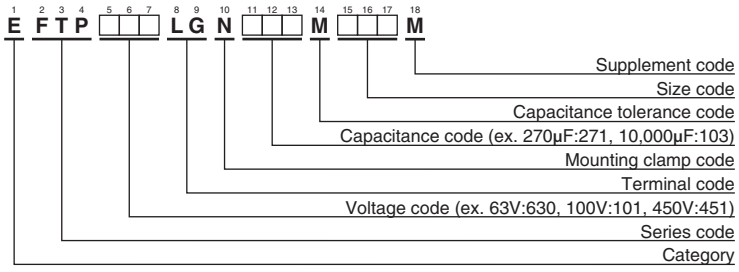
●Size Code : R



* Polyolefin is available upon request.

<Screw specifications>
Plus hexagon-headed screw: M5×0.8
Maximum screw tightening torque: 3.23Nm

◆PART NUMBERING SYSTEM



Please refer to "Product code guide (screw-mount terminal type)"

◆SIZE CODE

Code	Case size H×W×L (mm)
L50	26×70×50
L75	26×70×75
L95	26×70×95
R50	35×64×50
R75	35×64×75
R95	35×64×95

FTP Series

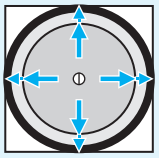
◆STANDARD RATINGS

WV (Vdc)	Cap (μF)	Case size H×W×L(mm)	tanδ	Rated ripple current (Arms/ 85℃,10kHz)	Part No.
63	6,000	26×70×50	0.25	14.0	EFTP630LGN602ML50M
	12,000	26×70×75	0.25	19.0	EFTP630LGN123ML75M
	17,000	26×70×95	0.25	22.0	EFTP630LGN173ML95M
	7,400	35×64×50	0.25	16.1	EFTP630LGN742MR50M
	15,000	35×64×75	0.25	21.7	EFTP630LGN153MR75M
	21,000	35×64×95	0.25	25.3	EFTP630LGN213MR95M
80	4,300	26×70×50	0.25	14.0	EFTP800LGN432ML50M
	8,600	26×70×75	0.25	19.0	EFTP800LGN862ML75M
	12,000	26×70×95	0.25	22.0	EFTP800LGN123ML95M
	5,300	35×64×50	0.25	16.1	EFTP800LGN532MR50M
	10,000	35×64×75	0.25	21.7	EFTP800LGN103MR75M
	15,000	35×64×95	0.25	25.3	EFTP800LGN153MR95M
100	2,900	26×70×50	0.25	14.0	EFTP101LGN292ML50M
	5,700	26×70×75	0.25	19.0	EFTP101LGN572ML75M
	8,100	26×70×95	0.25	22.0	EFTP101LGN812ML95M
	3,600	35×64×50	0.25	16.1	EFTP101LGN362MR50M
	7,100	35×64×75	0.25	21.7	EFTP101LGN712MR75M
	10,000	35×64×95	0.25	25.3	EFTP101LGN103MR95M

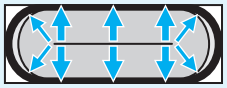
WV (Vdc)	Cap (μF)	Case size H×W×L(mm)	tanδ	Rated ripple current (Arms/ 85℃,10kHz)	Part No.
350	400	26×70×50	0.25	10.6	EFTP351LGN401ML50M
	800	26×70×75	0.25	15.7	EFTP351LGN801ML75M
	1,100	26×70×95	0.25	18.7	EFTP351LGN112ML95M
	490	35×64×50	0.25	11.9	EFTP351LGN491MR50M
	970	35×64×75	0.25	17.6	EFTP351LGN971MR75M
	1,400	35×64×95	0.25	21.0	EFTP351LGN142MR95M
400	330	26×70×50	0.25	10.6	EFTP401LGN331ML50M
	660	26×70×75	0.25	15.7	EFTP401LGN661ML75M
	930	26×70×95	0.25	18.7	EFTP401LGN931ML95M
	400	35×64×50	0.25	11.9	EFTP401LGN401MR50M
	800	35×64×75	0.25	17.6	EFTP401LGN801MR75M
	1,100	35×64×95	0.25	21.0	EFTP401LGN112MR95M
450	270	26×70×50	0.25	10.1	EFTP451LGN271ML50M
	540	26×70×75	0.25	15.0	EFTP451LGN541ML75M
	760	26×70×95	0.25	18.0	EFTP451LGN761ML95M
	330	35×64×50	0.25	11.4	EFTP451LGN331MR50M
	660	35×64×75	0.25	16.7	EFTP451LGN661MR75M
	930	35×64×95	0.25	20.1	EFTP451LGN931MR95M

◆Improvement of space factor and heat radiation

Dead spaces are found in the conventional cylindrical shape. But lower profile offers reduced dead space, and makes the equipment smaller in size. Moreover, the internal element of the lower profile capacitor is in greater contact with the can. This greatly improves the heat dissipation compared with the cylindrical shape.



Cylindrical shape



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