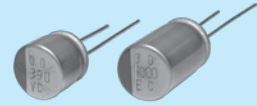


FEC Series

125°C · 135°C

High Ripple Current,
High Capacitance



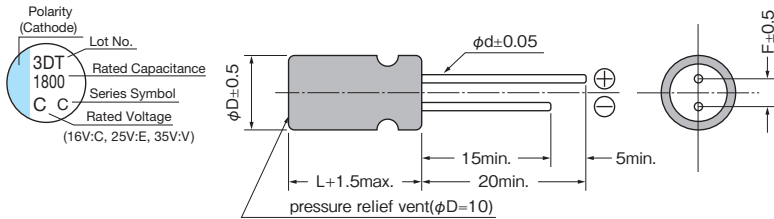
NEW

- 125°C 4,000hours, 135°C 4,000hours
- Solvent proof (within 2 minutes)
- AEC-Q200
- Laminated case

Specifications

Items	Condition	Specifications		
Rated voltage (V)	—	16	25	35
Surge voltage (V)	Room temperature	20	32	44
Category temperature range (°C)	—	-55 to +135		
Capacitance tolerance (%)	120Hz/20°C	M : ±20		
Dissipation Factor (tan δ)	tanδ (max.) 120Hz/20°C	0.16	0.14	0.12
Leakage current (LC)	μA/after 2minutes (max.), 20°C	0.05CV		
Endurance	125°C, 135°C rated voltage applied (With the rated ripple current)	Test	4,000hours	
		ΔC/C	Within ±30% of the initial value	
		tanδ	Less than 200% of the specified value	
		ESR	Less than 200% of the specified value	
		LC	Less than the specified value	
Shelf Life	135°C, 1,000hours(with no voltage load)	Shall meet the endurance spec above after voltage treatment at 20deg.C per JIS C 5101-4 4.1.		

Marking, Dimensions



(Unit : mm)

φD	L	F	φd
8	9.5	3.5	0.6
10	9.5	5.0	0.7
10	11.5	5.0	0.7
10	15.0	5.0	0.7

Size, ESR, Rated Ripple Current

V Items μF	16				25			
	Case size φDxL (mm)	ESR (mΩmax.) (20°C/100kHz)	Rated ripple current (mA rms/100kHz)		Case size φDxL (mm)	ESR (mΩmax.) (20°C/100kHz)	Rated ripple current (mA rms/100kHz)	
			125°C	135°C			125°C	135°C
330					8x9.5	27	3100	1500
390					8x9.5	27	3100	1500
560	8x9.5	27	3100	1500	10x9.5	20	3600	1750
680					10x9.5 ★	20	3600	1750
					10x11.5	16	4100	1950
820					10x11.5 ★	16	4100	1950
1000	10x9.5	20	3600	1750	10x15	11	5200	2500
1200	10x11.5	16	4100	1950	10x15	11	5200	2500
1800	10x15	11	5200	2500				

V Items μF	35			
	Case size φDxL (mm)	ESR (mΩmax.) (20°C/100kHz)	Rated ripple current (mA rms/100kHz)	
			125°C	135°C
220	8x9.5	27	3100	1500
390	10x9.5	20	3600	1750
470	10x11.5	16	4100	1950
680	10x15	11	5200	2500

Please refer to page 18 for ripple current frequency coefficients.
★S type

Part number

