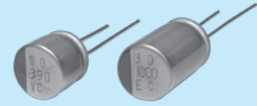


# FEC Series

125°C · 135°C

High Ripple Current,  
High Capacitance



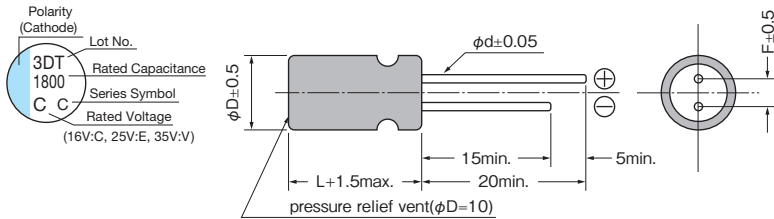
**NEW**

- 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

μF	V	16				25			
		Case size φDxL(mm)	ESR(mΩmax.) (20°C/100kHz)	Rated ripple current(mArms/100kHz)		Case size φDxL(mm)	ESR(mΩmax.) (20°C/100kHz)	Rated ripple current(mArms/100kHz)	
				125°C	135°C			125°C	135°C
330					8×9.5	27	3100	1500	
390					8×9.5	27	3100	1500	
560		8×9.5	27	3100	1500	10×9.5	20	3600	1750
680					10×9.5 ★	20	3600	1750	
					10×11.5	16	4100	1950	
820					10×11.5 ★	16	4100	1950	
1000		10×9.5	20	3600	1750	10×15	11	5200	2500
1200		10×11.5	16	4100	1950	10×15	11	5200	2500
1800		10×15	11	5200	2500				

μF	V	35			
		Case size φDxL(mm)	ESR(mΩmax.) (20°C/100kHz)	Rated ripple current(mArms/100kHz)	
				125°C	135°C
220		8×9.5	27	3100	1500
390		10×9.5	20	3600	1750
470		10×11.5	16	4100	1950
680		10×15	11	5200	2500

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

## Part number

