

FECL

Series

105°C • 125°C • 135°C

High Capacitance

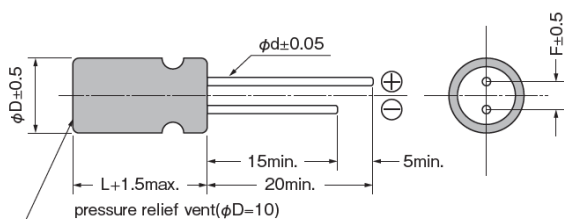
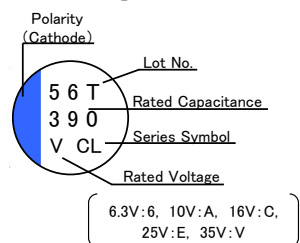
- 105°C 5,000hours • 10,000hours、125°C 4,000hours、135°C 2,000hours
- Solvent proof(within 2 minutes)
- AEC-Q200

UP GRADE

Specifications

Items		Specifications				
Rated voltage (V)	—	6.3	10	16	25	35
Surge voltage (V)	Room temperature	8.0	13	20	32	44
Category temperature range (°C)	—	-55 to +135				
Capacitance tolerance (%)	120Hz/20°C	M: ±20				
Dissipation Factor (tan δ)	tan δ (max.) 120Hz/20°C	0.18	0.16	0.16	0.14	0.12
Leakage current (LC)	μ A/after 2 minutes (max.)	0.05CV				
Endurance	rated voltage applied (With the rated ripple current)	Test	105°C 5,000hours・10,000hours 125°C 4,000hours、135°C 2,000hours			
		Δ C/C	Within ±30% of the initial value			
		tan δ	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、1000hours(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)

φ D	L	F	φ d
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

Items Case size φ D × L(mm)	6.3						10						16					
	Capacitance (μ F)	ESR (m Ω max.) 20℃/100kHz	Rated ripple current (mArms/100kHz)				Capacitance (μ F)	ESR (m Ω max.) 20℃/100kHz	Rated ripple current (mArms/100kHz)				Capacitance (μ F)	ESR (m Ω max.) 20℃/100kHz	Rated ripple current (mArms/100kHz)			
			105℃		125℃	135℃			105℃		125℃	135℃			105℃		125℃	135℃
			5000hrs.	10000hrs.	4000hrs.	2000hrs.			5000hrs.	10000hrs.	4000hrs.	2000hrs.			5000hrs.	10000hrs.	4000hrs.	2000hrs.
8 × 9.5	1200	18	4700	3600	2400	2400	820	18	4700	3600	2400	2400	560	27	3700	2800	1900	1900
10 × 9.5	2200	16	5100	3900	2700	2700	1500	16	5100	3900	2700	2700	1000	20	4200	3200	2200	2200
10 × 11.5	2700	14	5700	4300	2900	2900	1800	14	5700	4300	2900	2900	1200	16	4900	3700	2500	2500
10 × 15.0	3900	10	6700	5100	3500	3500	2700	10	6700	5100	3500	3500	1800	11	5500	4200	2900	2900

V Items Case size φ D × L(mm)	25						35					
	Capacitance (μ F)	ESR (m Ω max.) 20℃/100kHz	Rated ripple current (mArms/100kHz)				Capacitance (μ F)	ESR (m Ω max.) 20℃/100kHz	Rated ripple current (mArms/100kHz)			
			105℃		125℃	135℃			105℃		125℃	135℃
			6000hrs.	10000hrs.	4000hrs.	2000hrs.			6000hrs.	10000hrs.	4000hrs.	2000hrs.
8 × 9.5	390	27	3700	2800	1900	1900	220	27	3700	2800	1900	1900
10 × 9.5	680	20	4200	3200	2200	2200	390	20	4200	3200	2200	2200
10 × 11.5	820	16	4900	3700	2500	2500	470	16	4900	3700	2500	2500
10 × 15.0	1200	11	5500	4200	2900	2900	680	11	5500	4200	2900	2900

Part number

