

Product Specification Sheet

Products Name: Aluminum Electrolytic Capacitor

Products Series: CD11GE(8000hrs)

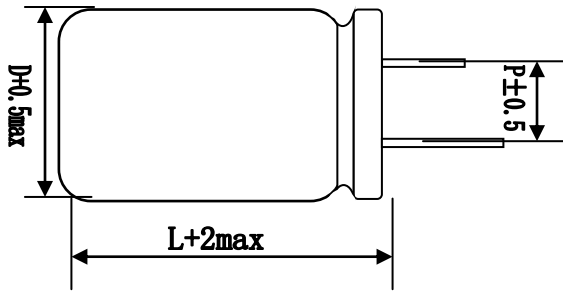
Specification.: 50V4.7 μ F/5X11

CD11GESeries Product Specification

■ Specification

Item	Characteristics	
Operating Temp Range	-40~+105℃	
Rated W.V	50V.DC	
Nominal Cap	4.7μF	
Capacitance tolerance	-20%~+20% (120Hz, +20℃)	
DC Leakage Current	$I \leq 3$ (μA) (2 minute, 20℃) After 1 minute application of rated working voltage at +20℃	
Tg & Dissipation Factor (120HZ, +20℃)	Rated Voltage	50V
	tgδ	0.10
Restriction of Harmful Substance	Compliance with the requirement of ROHS directive	
Load Life (105℃)	Test Time	8000hrs (105℃)
	Leakage Current	No more than the specified value
	Capacitance Change	Within ±20% of the initial value
	Dissipation Factor	No more than 200% of the specified value
	After applying rated voltage for 8000hrs at 105℃ and then resumed 16hrs, the capacitors should meet the above requirement.	
Shelf Life	Test Time	1000hrs (105℃)
	Leakage Current	No more than 200% of the specified value
	Capacitance Change	Within ±20% of the initial value
	Dissipation Factor	No More than 200% of the specified value
	After leaving capacitors under no load at 105℃ for 1000h, the capacitors should meet the above requirement.	
	After test: UR to be applied for 30 minutes, 24h to 48 h before measurement	

■ Case Size Table (Unit : mm)



$\phi D \pm 0.5$	5
$L \pm 2$	11
$P \pm 0.5$	2

■ Standard Ratings

Spec.	Size	Cap. Tol.	Max Ripple (105°C, mA, 100KHz)	Sleeve
50V4.7 μ F	5X11	-20% ~ +20%	44	PET & Green

■ Frequency Correction Factor For Ripple Current

Hz	120	1K	10~30K	30~100K
Factor	0.50	0.80	0.90	1.00