

To: DIGI-KEY CORPORATION

Issue No. : V-FK-E-1125

Date of Issue : December 15, 2020

## ENGINEERING DRAFT

Product Description : Aluminum Electrolytic Capacitor  
Customer Part Number :

Product Part Number : EEEFK1J680P

Country of Origin : Japan, Malaysia

Applications :

Term of Validity : December 14, 2021 from the date of issue

- These specifications are temporary specifications. Ask factory for technical specifications before purchase and / or use.

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No.5755610-8R1G0

**Panasonic**

# Engineering Draft

V-FK-E-1125

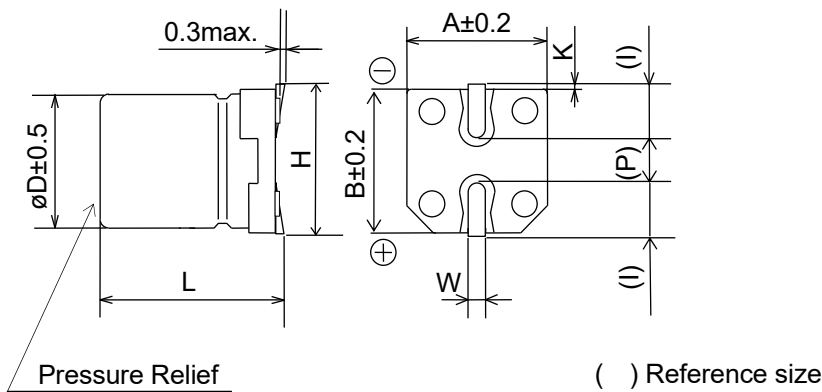
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Product Part No.	EEEFK1J680P	
Category Temperature Range	-55 °C ~ +105 °C	
Capacitance	68	μF at 120Hz, +20 °C
Capacitance Tolerance	±20	% at 120Hz, +20 °C
Rated Voltage	63	V.DC
Surge Voltage	79	V.DC
Leakage Current	42.8	μA max. after 2 minutes
Tangent of Loss Angle (tanδ)	0.08	max. at 120Hz, +20 °C
Rated Ripple Current	400	mA r.m.s. max. at 100kHz, +105 °C
Impedance (or E.S.R.)	0.35	Ω max. at 100kHz, +20 °C

Endurance	The capacitor shall be subjected to application of the D.C. voltage with full rated ripple current at +105 °C for 2000 hours. After stabilizing at room temperature (+15 °C to 35 °C), the capacitor shall not exceed the specified limits. (The sum of DC voltage and ripple peak voltage shall not exceed the rated voltage.)	
	Capacitance Change	Within ±30% of the initial measured value
	Tangent of Loss Angle (tanδ)	Less than 200% of the initial limit
	D.C. Leakage Current	Less than the initial limit

Shelf Life	The capacitor shall be stored at +105 °C for 1000 hours with no voltage applied. After stabilizing at room temperature (+15 °C to 35 °C), the capacitor shall be subjected to rated voltage for 30 minutes. The capacitor shall not exceed the limits specified in the Endurance section.
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Dimensions (Unit:mm)	Size Code	D	L	A,B	H	I	W	P	K
	G	10.0	10.2±0.3	10.3	12.0max.	3.5	0.90±0.2	4.6	0.70±0.2



### Marking

Marking Color : Black

