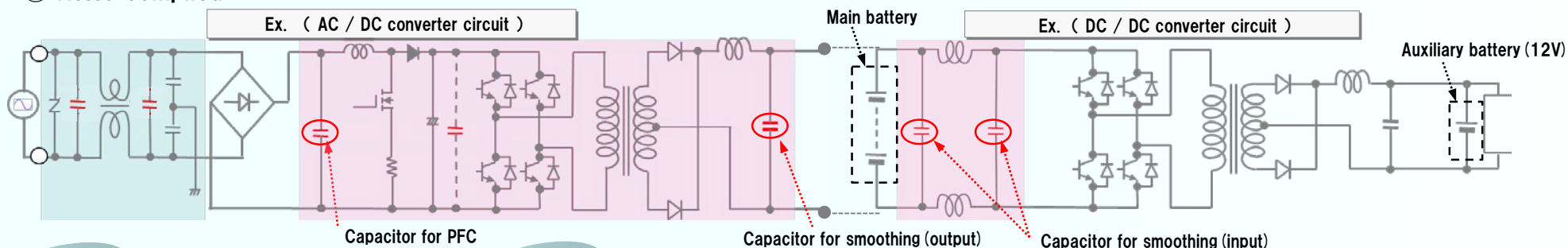


On-board Charger•DC/DC converter : DC-Link Capacitor (AEC-Q200 compliant *)

Applications/ Features

Film capacitor for DC/DC, AC/DC converter circuit in xEV

- ① AEC-Q200 compliant
- ② High safety (with safety function)
- ③ High moisture resistance
- ④ High Thermal shock resistance
- ⑤ RoHS complied

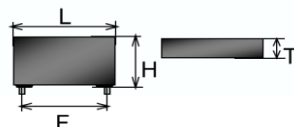


Structure/ Specifications Dimensions/Shape

Applications	For PFC/Smoothing
Rated voltage	DC630V
Dielectric	Metalized Polypropylene Film
Series	ECWFG2J
Category tem. Range	-40 to +110°C
Capacitance range	1.0uF ~ 4.7uF
Appearance	
Failure mode	Open direction
moisture resistance	85 °C, 85%, 500VDC, 1000 h
Thermal shock resistance	-55°C↔85°C, 1000cycles
High Temperature Load Test	125°C, 450VDC, 1000h

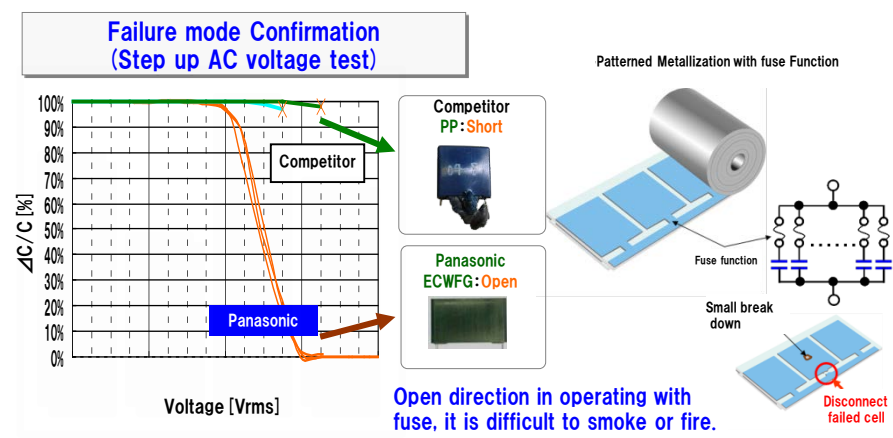
F	Cap.	L	T	H	I rms @85°C 10kHz
22.5	1.0uF	27.0	10.5	19.0	4.7
	1.5uF	27.0	12.0	21.0	6.3
	2.2uF	27.0	15.5	24.0	8.1
	3.0uF	27.0	17.5	26.5	9.8
27.5	1.0uF	31.5	9.5	18.0	4.0
	1.5uF	31.5	10.5	21.0	5.2
	2.2uF	31.5	12.0	24.5	6.5
	3.0uF	31.5	13.5	28.5	7.8
	4.7uF	31.5	17.5	32.5	10.1

Lead diameter : ϕ 1.0



High Safety

Ensure the safety in the preservation mechanism by patterned vapor deposition



High moisture resistance
high moisture resistance molding material

Panasonic

* The products are tested based on all or part of the test conditions and methods defined in AEC-Q200.