

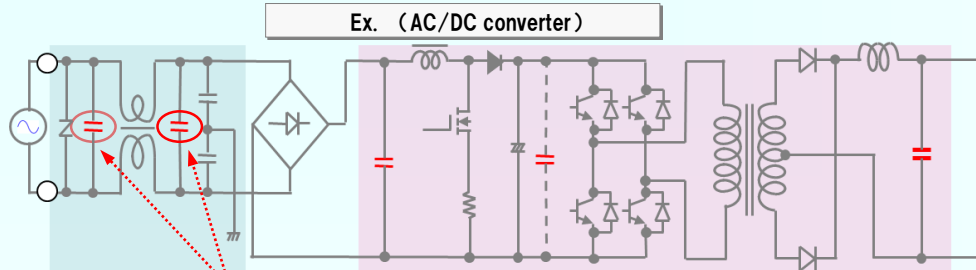
Film capacitor for automotive AC/DC converter (AEC-Q200)

Applications/ Features

AC/DC converter circuit mounted on the EV and P-HEV

■ Small size, High safety, High moisture resistance capacitor for Automotive

- ① AEC-Q200 compliant
- ② High Safety
- ③ High moisture resistance (85°C/85%)
- ④ High Thermal shock resistance (-40↔85°C, 1000cycles)



For interference suppression

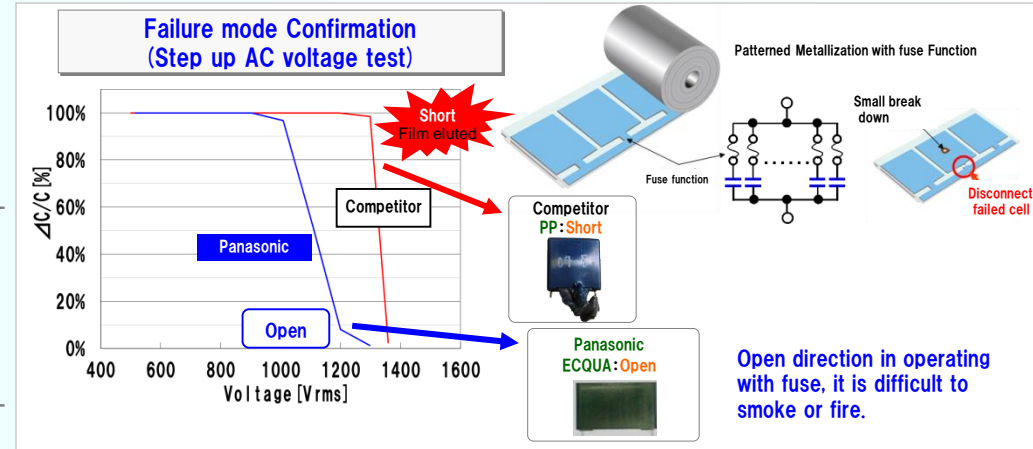
Structure/ Specifications

(※) ECQUA for Automotive is different from general specification. Please contact us.

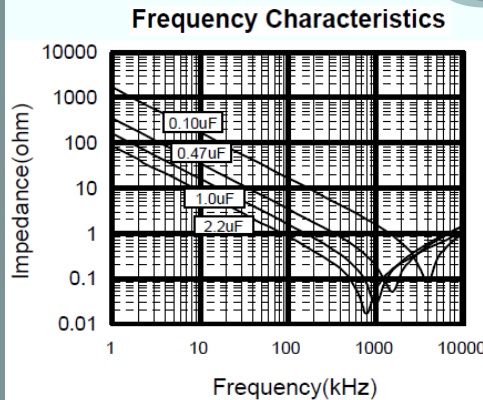
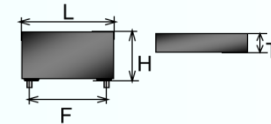
Applications	For interference suppression (X capacitor)
Approval	ClassX2 UL, CSA, ENEC (VDE)
Rated voltage	AC275V
Dielectric	Metallized Polypropylene Film / patterned vapor deposition (Al)
Series	ECQU (A) AC275V for Automotive
Category tem. Range	-40 to +110°C
Capacitance range	0.1uF to 4.7uF
Appearance	
Failure mode	Open direction
moisture resistance	85 °C, 85%, 240 VAC, 1000 h
Thermal shock resistance	-40°C↔85°C, 1000cycles

High Safety

Ensure the safety in the preservation mechanism by patterned vapor deposition



Dimensions



Capacitance	L	T	H	F
0.1uF (104)	17.5	5.0	12.0	15.0
0.15uF (154)	17.5	6.0	13.0	15.0
0.22uF (224)	17.5	7.5	14.0	15.0
0.33uF (334)	17.5	9.0	16.0	15.0
0.47uF (474)	26.0	8.5	15.0	22.5
0.68uF (684)	26.0	10.0	17.0	22.5
1.0uF (105)	26.0	12.0	19.0	22.5
1.5uF (155)	31.0	12.0	22.0	27.5
2.2uF (225)	31.0	14.5	24.5	27.5
3.3uF (335)	31.0	19.0	29.0	27.5
4.7uF (475)	31.0	23.0	33.0	27.5

High moisture resistance

85°C, 85% Al deposition+ Case type/Epoxy filling