

《 New foils for Anode, Low voltage 【LM108EF2】 》

Thank you very much for using our products at all times.

This is to introduce you our new foil 【LM108EF2】 for Low voltage Anode foil that have higher capacitance than U140.

Please compare this new foil with the foils currently in-use, and please give us your comments and suggestions.

Characteristics of the new foils

- i) 【LM108EF2】 have Nominal Formation Voltage Range at 65.5~143Vfs.
It have high capacitance in High voltage forming range.
- ii) 【LM108EF2】 have higher capacitance per etched layer thickness than U140.
Because, it is improved etched technology.
It will help in the development of new products and downsizing of conventional products.
- iii) 【LM108EF2】 is used our new technology "F-Tech".
「F Tech」 makes it possible to produce smooth.
It avoids stress concentration in winding capacitor.
And, it becomes suppressed to crack in winding.
【LM108EF2】 doesn't have specification of Bending Strength.
Because, it is incommensurable with Bending Strength.
【LM108EF2】 is became limber by 「F Tech」.

Specifications (tentative)

Etched

Vfs	Capacitance [$\mu\text{F}/\text{cm}^2$]	
	<u>LM108EF2</u>	<u>U140</u>
65.5	20.5	19.1
132	6.51	6.10
Gauge [μm]	108	105
Tensile Strength [N/cm]	≥ 17.6	≥ 17.6

Formed

Vfs	Capacitance [$\mu\text{F}/\text{cm}^2$]	
	<u>LM108EF2</u>	<u>U140</u>
65.5	20.5	19.1
71.3	18.3	17.0
82.7	14.7	13.8
90.4	12.8	11.9
105	10.1	9.45
114	8.59	8.08
132	6.51	6.10
143	5.34	5.15
Gauge [μm]	108	105
Tensile Strength [N/cm]	≥ 17.6	≥ 17.6

① Capacitance Tolerance: +10、-5%.

② Gauge Tolerance: $\pm 10\%$.

③ Other specifications are in accordance with F-160

The above specifications are subject to change without notice.