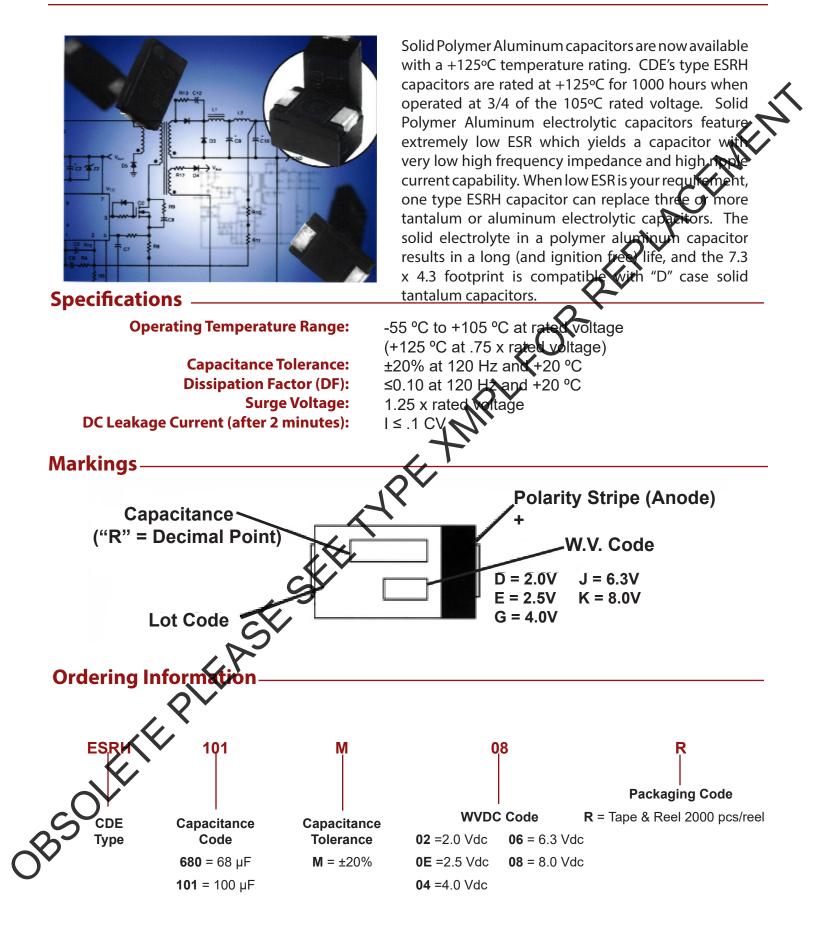
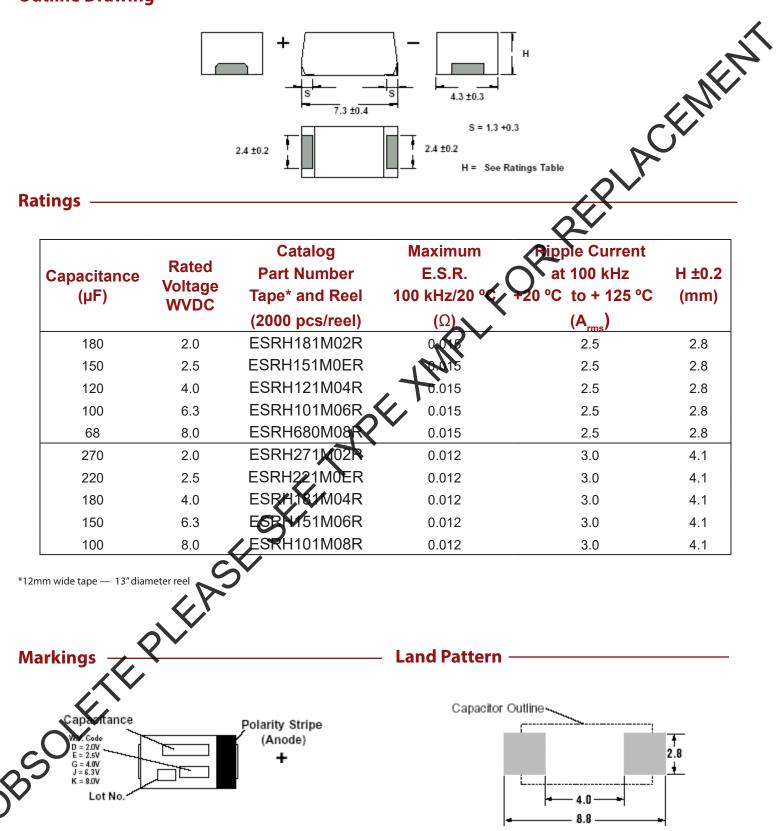
Type ESRH Solid Polymer Aluminum SMT Capacitors



Type ESRH Solid Polymer Aluminum SMT Capacitors

Low E.S.R. and High Temperature

Outline Drawing



Specifications (continued)

Life Test:

Apply rated DC working voltage at 105 °C (or 0.75 x WVDC at 125 °C) for 1000 hours, and then stabilize them to +20 °C. Capacitors will meet the following limits:

 $\Delta C = \pm 10\%$ of the initial measured value DF & DCL \leq the initial specified value

Shelf Life Test:

Shelf life is typically 42 months. Accelerated test: after 500 hours at125 °C, capacitors will meet the following limits after stabilization at 20 °C:

 $\Delta C = \pm 10\%$ of the initial measured value DF & DCL \leq the initial specified value

Moisture Resistance:

After 500 hours storage at +60 °C and 90% R.H. without load, the capacitor will meet the following limits:

 $\Delta C = +70\%/-20\%$ of the initial measured value (2.0 & 2.5 Vdc),+60%/-20% of the initial measured value (4.0 Vdc), +50%/-20% of the initial measured value (6.3 Vdc), +40%/-20% of the initial measured value (8.0 Vdc).

DF ≤ two times the initial specified value

 $DCL \leq$ the initial specified value

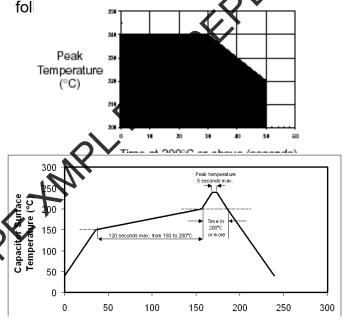


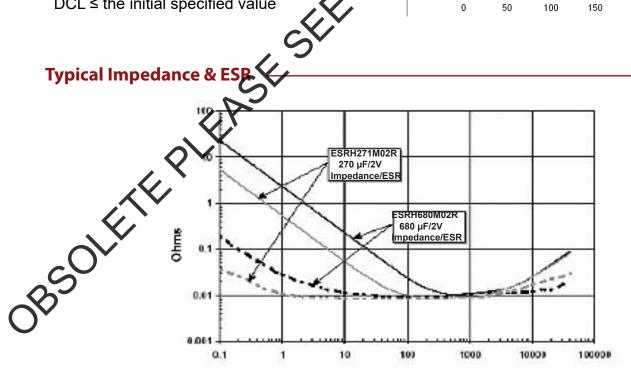
Capacitors withstand being heated in an oven at 235 °C for 200 seconds.

Soldering:

Solid Polymer Aluminum capacitors are deside for reflow soldering.

Preheat the capacitors at 160 °C for a maximum of 120 seconds. The time at or above 200 °C on the surface of the capacitor should be per the





Frequency (kHz)

Type ESRH Solid Polymer Aluminum SMT Capacitors

Notice and Disclaimer: All product drawings, descriptions, specifications, statements, information and data (collectively, the "Information") in this datasheet or other publication are subject to change. The customer is responsible for checking, confirming and verifying the extent to which the Information contained in this datasheet or other publication is applicable to an order at the time the order is placed. All Information given, herein is believed to be accurate and reliable, but it is presented without any guarantee, warranty, representation or responsibility of any kind, expressed or implied. Statements of suitability for certain applications are be on the knowledge that the Cornell Dubilier company providing such statements ("Cornell Dubilier of operating conditions that such Cornell Dubilier company regards as typical for such applications, are not intended to constitute any guarantee, warranty or representation regarding any such matter and Cornell Dubilier specifically and expressly disclaims any guarantee, warranty or representation concerning the suitability for a specific customer application, use, storage, transportation, or operating environment. The Information is intended for use only by customers who have the requisite experience and capability to determine the correct products for their application. Any technical advice inferred from this Information or otherwise provided by Cornell Dubilier with reference to the use of any Cornel Dubilier products is given gratis (unless otherwise specified by Cornell Dubilier), and Cornell Dubilier assumes no obligation or liability for the advice given or results obtained. Although Cornell Dubilier strives to apply the most stringent quality and safety standards regarding the design and manufacturing of its products, in light of the current state of the art, isolated component failures may still occur. Accordingly, customer applications which require a high degree of reliability or safety should employ suitable designed rother safeguards (such as installation of protective circuitry or redundancies or other appropriate protective measures) in order to ensure that the failure of an electrical component does not result in a risk of the sonal injury or property damage. Although BSOLETER PLEASE all product-related warnings, cautions and notes must be observed, the customer should not assume that all safety measures are indicated in such warnings, cautions and notes, or that other safety measures may not be