### **Surface Mount Recommendations**

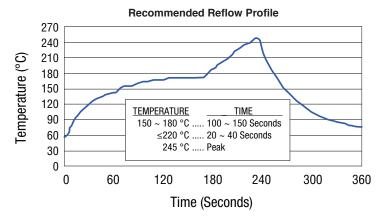
The Model SC Series breaker is designed for reflow and hand soldering. It is not designed or warranted for flow soldering. The following conditions must be adhered to:

### Reflow Soldering:

The recommended reflow soldering conditions are as follows:

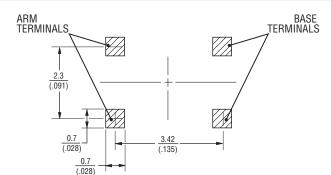
$150 \sim 180~^{\circ}C$	100 ~	150 seconds
≤220 °C	20 ~	40 seconds
255 ~ 260 °C	5 ~	10 seconds

Process breaker in a reflow furnace using the profile shown above three times, followed by positioning the breaker in ambient temperature of +25 °C for 8 hours.



Do not expose the breaker to temperatures exceeding +260 °C.

# **Recommended Land Pattern**



Recommended Mask Thickness: 0.12 mm / (.005 in.)

Recommended Solder Particle Size: 30 µm

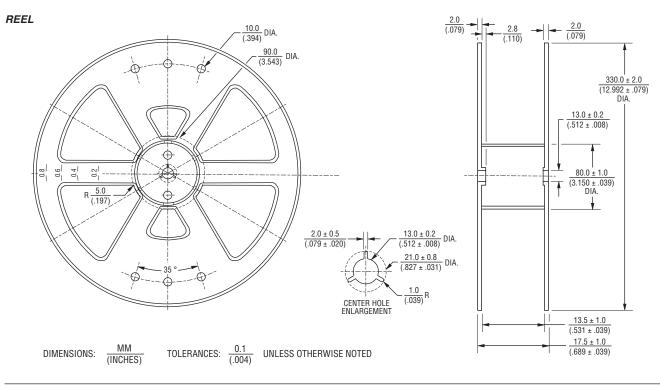
DIMENSIONS:  $\frac{MM}{(INCHES)}$ 

## **Mounting Cautions**

In order to protect the housing and mechanical parts inside from deformation, prevent excessive load at the time of part absorption / part deployment and mounting. A part absorption nozzle more than 2 mm in diameter with a 3 N (5 N max.) mounting load is recommended. Any shock to the product by the nozzle during the mounting procedure may have a negative impact on the function of the breaker.

### **Standard Packaging Specifications**

Part name, part number, quantity, lot number, safety approval mark (UL, etc.),
company name (Bourns KK) and any other items required by the customer



# CARRIER TAPE

