

Product Change Notice (PCN)

Date: **11/21/2024**

PCN Number: **PCN-0456255R-01**

To Our Customers:

We appreciate your use of our products. Our commitment in maintaining and improving processes is demonstrated by plans to enhance our product quality, reliability, and manufacturability. The purpose of this notice is to inform you of a product change.

Product(s) Affected: **SJ2-35364B-SMT-TR**

Reason(s) for Change: **New Factory Location.**

Description of Change: **Product re-engineered for improved manufacturability and production yield. See image below for reference and check the Same Sky website for updated drawing. Cosmetic differences may be visible but will not affect the form fit and function of the product.**

PREVIOUS SAME SKY DETAIL / IMAGE

Previous drawing of SJ2-35364B-SMT-TR showing dimensions and a red box highlighting a specific feature. The drawing includes a side view and a top view. The side view shows dimensions: 0.50 (2x), 4.60, 1.90, 2.50, and 11.5. The top view shows dimensions: 6.00, 3.00, 05.50, 4.20, 2.10, 4.3 (5x), and 4.0 (3X). A detail view shows a coplanarity of 0.03. A note indicates a detail coplanarity of 0.03.

NEW SAME SKY DETAIL / IMAGE

New drawing of SJ2-35364B-SMT-TR showing updated dimensions and a red box highlighting a specific feature. The drawing includes a side view and a top view. The side view shows dimensions: 3.50 max (2x), 4.50 max (15), 1.90 max (15), 2.60 max (2), 4.20 max (3), 2.10 max (3), and 4.0 max (3). The top view shows dimensions: 6.00 max (2), 2.00 max (1), 03.50 max (15), 3.00 max (15), 05.50 max (15), 4.30 max (2), and 4.0 max (3). A note indicates a detail coplanarity of 0.03.

SOLDERABILITY

parameter	conditions/description	min	typ	max	units
real storage	10-30°C, <75% humidity				°C
reflow soldering ¹	see reflow profile	255	260		°C
drying conditions ²	parts in reel bake at 110°C for 4 hours parts removed from reel bake at 110°C for 4 hours				

Note:
1. Some 010 components in solder paste. 17 hours from opening vacuum packaging at a temperature <80°C in relative humidity <65%.
2. When assembling lead 95 to 100 hours.

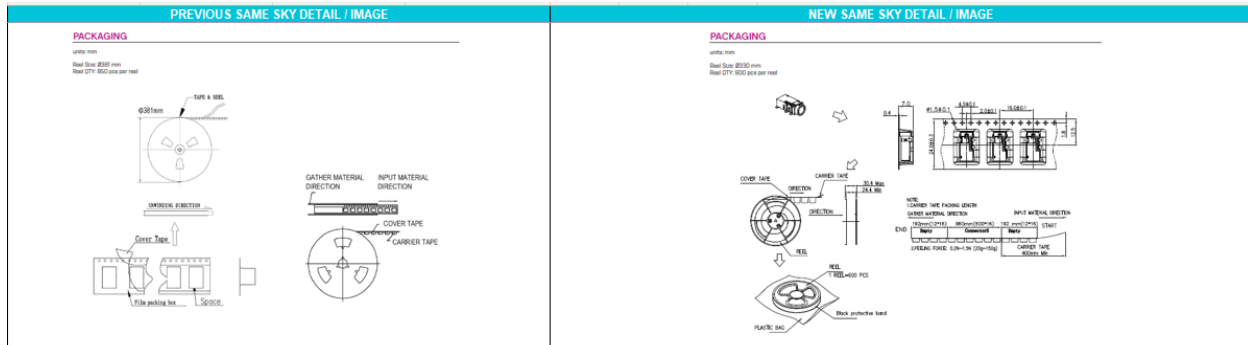
Previous reflow profile graph showing temperature vs time with a peak at 260°C. The graph includes a preheating phase at 150°C, a peak at 260°C, and a cooling phase. The peak temperature is 260°C, and the time to peak is 25-40 seconds. The cooling rate is 60°C/sec. The graph also shows a 25°C rise time and a 25°C fall time.

* Time 255 to Peak Temp. --- 8 Minutes Max.
* Time within 5°C of Actual Peak Temp. --- 30-60 Seconds

SOLDERABILITY

parameter	conditions/description	min	typ	max	units
real storage	5-30°C, <75% humidity				°C
reflow soldering	see reflow profile			260	°C
drying conditions	bake at 110°C for 4 hours				

New reflow profile graph showing temperature vs time with a peak at 260°C and a note about temperature measurement point. The graph includes a preheating phase at 150°C, a peak at 260°C, and a cooling phase. The peak temperature is 260°C, and the time to peak is 25-40 seconds. The cooling rate is 60°C/sec. The graph also shows a 25°C rise time and a 25°C fall time. A note indicates that the temperature measurement point is the resin surface.



Affected Date Code: All orders placed after **11/7/2024** * subject to stock availability. Same Sky reserves the right to ship pre-PCN product if available in stock.

Product Availability: *Pertaining to market availability*

PCN Approval:

Operations/Quality

Product Management