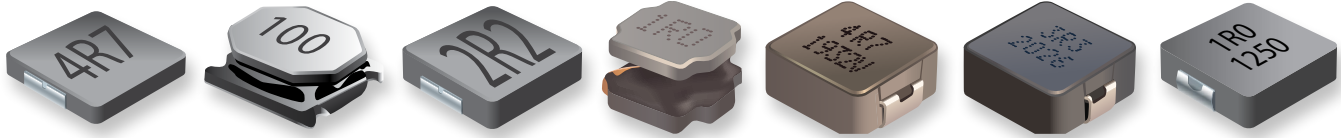




PRODUCT CHANGE NOTIFICATION

MAGNETICS



Select SRN Series Semi-shielded Power Inductors and SRP Series Shielded Power Inductors

Carrier Tape and Reel Temporary Change to Alternate Supplier

Riverside, California - June 28, 2022 – Due to the impact of COVID-19, the carrier tape and reel supplier in China for select Model SRN Series Semi-shielded Power Inductors and SRP Series Shielded Power Inductors paused production in April 2022 unexpectedly.

In order to support on-time delivery and provide continuity of supply to customers, Bourns approved an alternate supplier to temporarily fill the supply gap. From date codes 2217 to 2221 (April 24, 2022 to May 28, 2022), certain SRN and SRP series inductors were packaged with the temporary alternate carrier tape and reel. No changes were made to the power inductors themselves. A list of affected part numbers and the respective date codes for which the temporary alternate carrier tape and reel were used is provided below.

The differences between the original and temporary alternate carrier tape and reel are highlighted below. Bourns conducted studies of the differences and concluded that the temporary alternate carrier tape and reel should have no impact on customers' then existing pick and place operations.

1. Affected Series and Date Code

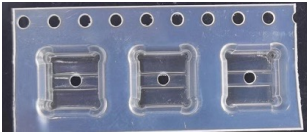
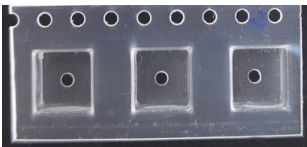
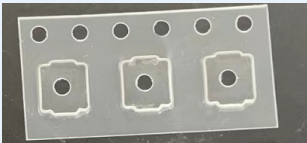
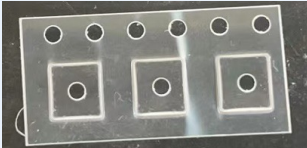
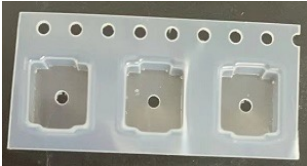
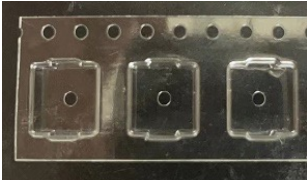
| Affected Part Numbers | Date code | | |
|--|---------------------|------------------------|------------------------|
| | Original T & R Ends | Temporary T & R Period | Original T & R Returns |
| SRP4020TA | 2216 | 2217~2220 | 2221 |
| SRP4012TA , SRN5020TA | 2217 | 2218~2221 | 2222 |
| SRP7028A , SRP7028AA , SRP6030VA , SRN5040TA , SRN6045TA | 2216 | 2217~2221 | 2222 |

Users should verify that the described changes will not impact the performance of the product in their specific applications.

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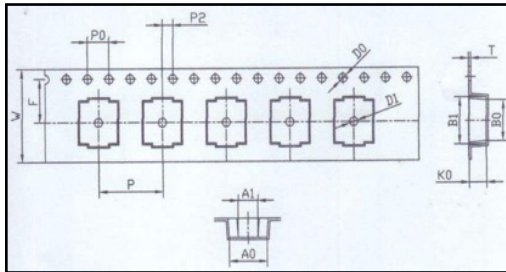
2. Carrier tape:

2.1 Comparison of appearance

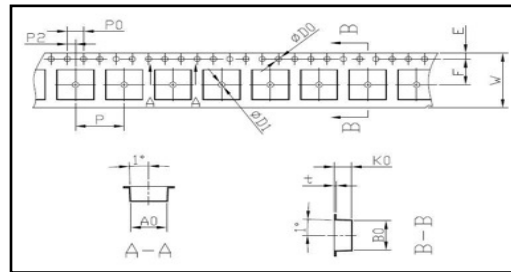
| Series | Type | Appearance | Difference |
|------------------------------------|-----------|--|---|
| SRN5020TA, SRN5040TA, SRN6045TA | Original |  | Structure of pocket: Larger radius corner Color: Transparent, slightly white |
| | Temporary |  | Structure of pocket: Right angle corner Color: Transparent |
| SRP4020TA, SRP4012TA | Original |  | Structure of pocket: Stepped corner Color: Transparent, slightly white |
| | Temporary |  | Structure of pocket: Right angle corner Color: Transparent, slightly white |
| SRP7028A, SRP7028AA, SRP6030VA | Original |  | Structure of pocket: Stepped corner Color: Transparent, slightly white |
| | Temporary |  | Structure of pocket: Stepped corner Color: Transparent |

2.2 Comparison of dimensions:

Original





Temporary



| Series | Type | W (mm) | P (mm) | D0 (mm) | P0 (mm) | A0 (mm) | B0 (mm) | K0 (mm) | t (mm) |
|--------------------------------------|-----------|-------------|----------|------------|---------|----------------|----------------|---------------|-----------|
| SRP4020TA | Original | 12.0±0.3 | 8.0±0.1 | 1.5+0.1/-0 | 4.0±0.1 | 4.25±0.1 | 5.10±0.1 | 2.4±0.1 | 0.35±0.05 |
| | Temporary | 12.0±0.3 | 8.0±0.1 | 1.55±0.05 | 4.0±0.1 | 4.45+0.1/-0.05 | 4.85+0.1/-0.05 | 2.3±0.1 | 0.35±0.05 |
| SRP4012TA | Original | 12.0±0.3 | 8.0±0.1 | 1.5+0.1/-0 | 4.0±0.1 | 4.25±0.1 | 4.9±0.1 | 1.3±0.1 | 0.35±0.05 |
| | Temporary | 12.0±0.3 | 8.0±0.1 | 1.55±0.05 | 4.0±0.1 | 4.45+0.1/-0.05 | 4.85+0.1/-0.05 | 1.4±0.1 | 0.35±0.05 |
| SRP7028A, SRP7028AA, SRP6030VA | Original | 16.0±0.3 | 12.0±0.1 | 1.5+0.1/-0 | 4.0±0.1 | 7.1±0.1 | 7.1±0.1 | 3.15±0.1 | 0.35±0.05 |
| | Temporary | 16.0±0.3 | 12.0±0.1 | 1.5+0.1/-0 | 4.0±0.1 | 7.1±0.1 | 7.1±0.1 | 3.15±0.1 | 0.35±0.05 |
| SRN5020TA | Original | 12.0±0.3 | 8.0±0.1 | 1.50±0.1 | 4.0±0.1 | 5.40±0.1 | 5.40±0.1 | 2.20±0.1 | 0.35±0.05 |
| | Temporary | 12.0±0.1 | 8.0±0.1 | 1.55±0.05 | 4.0±0.1 | 5.30±0.1 | 5.30±0.1 | 2.30±0.1 | 0.35±0.05 |
| SRN5040TA | Original | 12.0±0.3 | 8.0±0.1 | 1.50±0.1 | 4.0±0.1 | 5.40±0.1 | 5.40±0.1 | 4.30±0.1 | 0.40±0.05 |
| | Temporary | 12.0±0.1 | 8.0±0.1 | 1.55±0.05 | 4.0±0.1 | 5.30±0.1 | 5.30±0.1 | 4.30±0.1 | 0.40±0.05 |
| SRN6045TA | Original | 16.0±0.3 | 12.0±0.1 | 1.50±0.1 | 4.0±0.1 | 6.40±0.1 | 6.40±0.1 | 4.70±0.1 | 0.40±0.05 |
| | Temporary | 16+0.2/-0.3 | 12.0±0.1 | 1.55±0.05 | 4.0±0.1 | 6.40±0.1 | 6.40±0.1 | 4.7+0.1/-0.05 | 0.40±0.05 |

3. Comparison of Reel:

| Series | Type | Appearance | Difference |
|---|-----------|--|---|
| SRN5020TA, SRN5040TA, SRN6045TA SRP4020TA, SRP4012TA, SRP7028A, SRP7028AA, SRP6030VA | Original |  | Structure: Lighter demolding marks Color: Light blue |
| | Temporary |  | Structure: Deeper demolding marks Color: Dark blue |

Note: Dimensions are the same

There was no change to the form, fit, function, quality and reliability of the affected part numbers.

Implementation dates were as follows:

Date codes using the temporary alternate carrier tape and reel supplier: **2217 to 2221 (varies by Affected Part Number)**

Date codes when Bourns returned to using the prior carrier tape and reel supplier: **2221 or 2222 (varies by Affected Part Number)**