

Product Change Notification

Alpha Foil Resistors/29 March 2013/PCN-ALP-001-2013

TCR table change due to new Nickel metal foil material lot for Thermosensitive Resistors

[DESCRIPTION OF CHANGE] Alpha Electronics Corporation is changing to new Nickel metal foil material lot for Thermosensitive resistors

[CLASSIFICATION OF CHANGE] Material lot

[REASON OF CHANGE] New Nickel metal foil material lot

[PRODUCT CATEGORY] Thermosensitive resistors, discrete

[PART NUMBERS AFFECTED] Type NLA, NLB, NMP, NMQ

[SPECIFICATION CHANGE] TCR table

Type NLA, NLB

Before TCR(ppm/ ⁰ C)	After TCR (ppm/ ⁰ C)
+6040±1%(0 ⁰ C~25 ⁰ C)	+6060±1%(0 ⁰ C~25 ⁰ C)
+6220±1%(0 ⁰ C~50 ⁰ C)	+6260±1%(0 ⁰ C~50 ⁰ C)
+6590±1%(0 ⁰ C~100 ⁰ C)	+6660±1%(0 ⁰ C~100 ⁰ C)

Type NMP, NMQ

Before TCR(ppm/ ⁰ C)	After TCR(ppm/ ⁰ C)
+6040±2%(0 ⁰ C~25 ⁰ C)	+6060±2%(0 ⁰ C~25 ⁰ C)
+6220±2%(0 ⁰ C~50 ⁰ C)	+6260±2%(0 ⁰ C~50 ⁰ C)
+6590±2%(0 ⁰ C~100 ⁰ C)	+6660±2%(0 ⁰ C~100 ⁰ C)

[EXPECTED INFLUENCE ON QUALITY] Same except TCR specification

[TIME SCHEDULE]

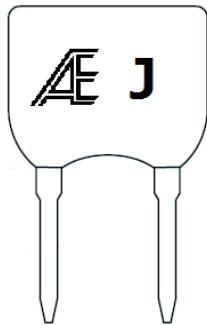
Last Time Buy Date: July 31, 2013

Start Production: September 1, 2013

【PRODUCTION IDENTIFICATION】

1. Date Code

Type NLA, NLB



After "J" alphabet next to AE mark

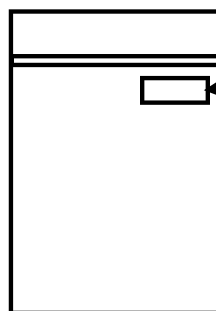
Type NMP, NMQ



After 「130901」

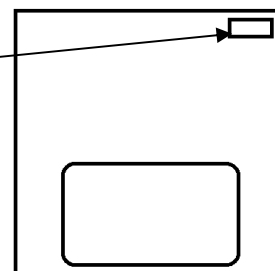
2. Label attachment on plastic bag and box from September, 2013 to December 2013

Type NLA, NLB, NMP, NMQ
Bulk



Plastic Bag

Type NMP, NMQ
Tape & Reel



Taping Box

New TCR Spec

For further information, please contact Alpha Electronics Sales Department:

CONTACT INFORMATION

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