

A changing announcement,
about a built-in inductor in the MECHATROLINK-II connector.



MECHATROLINK Members Association
28 August 2014

1. Introduction

We report the manufacturer change that accompanies the existing maker's manufacturing end for this inductor which is built into MECHATROLINK-II connector.

Sales of this connector to the MMA member are continued as usual by TE Connectivity Ltd. (hereinafter "Tyco Electronics").

The changing is applied at any time as soon as the stock has been depleted, though both parts are sold for the time being.

Please inquire formal specifications of new parts to Tyco Electronics.

2. Details of Change

2.1. Changed parts

Details of this change is in below.

	Previous	New
Manufacturer	TDK Corporation	ABCO ELECTRONICS CO., LTD.
Model No.	SP0203-R10K-PF	AN02 TB R10K

Table 1. Manufacturer and model No.



Previous: TDK (Blue) | New: ABCO (Green)

Photo 1. Appearance of built-in inductor

2.2. Target model

The target model of this change is in below.

Tyco Electronics Product

Model No.	Specification
1827525-1	MECHATROLINK-II Connector Kit
2013706-1	MECHATROLINK-II Connector Kit Bulk Package Style (500 pcs / 1 package)

Table 2. Target product

2.3. Switching period

This change is applied from the beginning of October 2014.

2.4. Function and Characteristic

The difference from a previous model is as below.

- The operating temperature range
- Terminal tensile strength

Please confirm a formal specification to Tyco Electronics.

*1 There is no change in the specification of the MECHATROLINK-II connector.

*2 There is no difference in the electrical specification of the inductor.

		Before change	After change	
Maker		TDK	ABC0	—
Type		SPO203-R10K-PF	AN02 TB R10K	—
Environmental condition	Operating temperature range	-20 to +80	-25 to +85	°C
	Storage temperature range	-40 to +80	—	°C
	Terminal tensile strength	9.8N min.	2.5kgf for 5 sec.	—
	Conformity to RoHS Directive	Yes	Yes	—
Electrical specification	Inductance	0.1	0.1	μH
	Inductance tolerance	±10%	±10%	—
	Q (min.)	40	40	—
	Measuring frequency	25.2	25.2	MHz
	Self-resonant frequency	600	600	MHz min.
	DC resistance	0.16	0.16	Ohm max.
	Rated current	800	800	mA max.

Table 3. A comparison of the function

2.5. Dimension and general view

The difference from a previous model is as below.

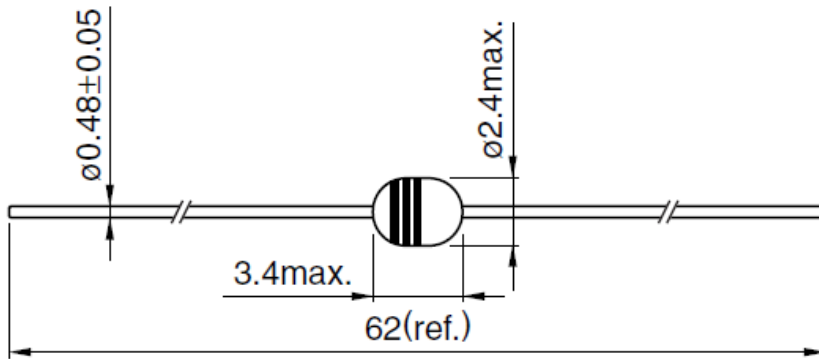
- The package dimension and externals (color).

Please confirm a formal specification to Tyco Electronics.

■ Comparison of the package dimensions.

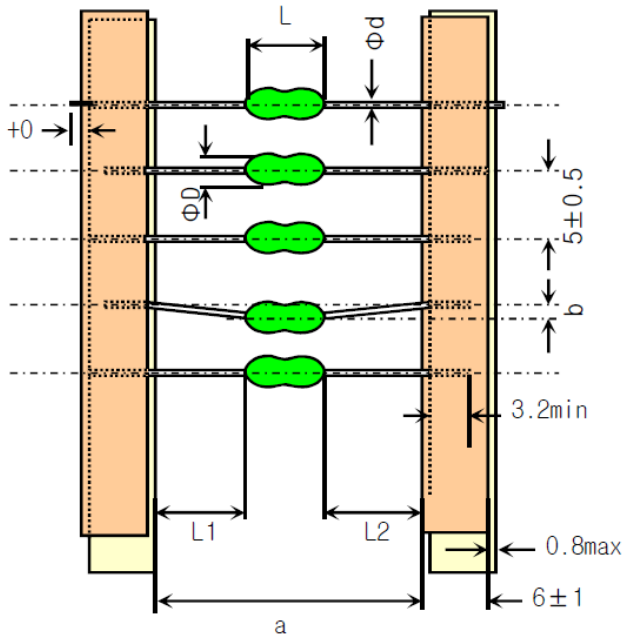
SP0203-R10K-PF (Previous component) Exterior Dimensions.

形状・寸法



Dimensions in mm

ANO2 TB R10K (New component) Exterior Dimensions.



Size		a	b max	c max	d Φ	D $\Phi \text{ max}$	L max
ANO2	TB	52 $\begin{smallmatrix} +2 \\ -1 \end{smallmatrix}$	1.2	1.0	0.50	2.5	3.7

C: | L1-L2 |

※Minimum insertion pitch(mm)

ANO2 ⇒ 5.0

※Classification symbol

TB ⇒ 52mm Ammo packing