

# DATA SHEET

**Product Name** Tin-Plated Steel Cap

---

**Part Name** TOC Series

**File No.** DIP-SP-081

## Uniroyal Electronics Global Co., Ltd.

88#, Longteng Road, Economic & Technical Development Zone, Kunshan, Jiangsu, China

Tel +86 512 5763 1411 / 22 /33

Email [marketing@uni-royal.cn](mailto:marketing@uni-royal.cn)

Manufacture Plant Uniroyal Electronics Industry Co., Ltd.

Aeon Technology Corporation

Royal Electronic Factory (Thailand) Co., Ltd.

Royal Technology (Thailand) Co., Ltd.

## 1. Scope

- 1.1 This specification for approve relates to the Tin-Plated Steel Cap by UNI-ROYAL.
- 1.2 Aluminum Content 70%, 80%, 85%.
- 1.3 Electronic Ceramic parts in superior performance.
- 1.4 Suitable for producing in different types of Wire-wound resistors.

## 2. Explanation of Part No. System

The standard Part No. includes 14 digits with the following explanation:

- 2.1 The 1st to 2rd digits are to indicate the product type .

Example: T0=Sn

- 2.2 The 3th digit is the type.

Example: C= Cap

- 2.3 The 4th digit is the Thickness.

Example: A=0.15mm B=0.20mm C=0.25mm

- 2.4 The 5th to 8th digits is to Size .

Example: 1260= φ1.26; 1640 =φ1.64; 1950 =φ1.95 ; 2450 =φ2.45; 2900 =φ2.90 ; 3910 =φ3.91; 4900 =φ4.90 ; 6900=φ6.90

- 2.5 The 9th to 12th digits is to Steel Cap product:

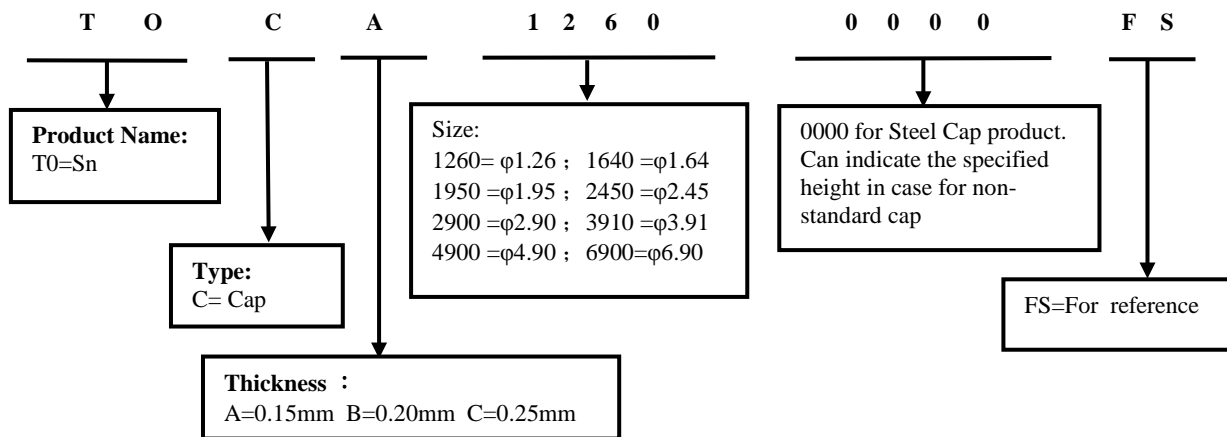
0000 for Steel Cap product.

Can indicate the specified height in case for non-standard cap

- 2.6 The 9th to 12th digits is to For reference.

FS=For reference

## 3. Ordering Procedure: (Example : TOCA1260000FS)



## 4. Material

Metal strip JIS G3141 SPCC-SD

## 5. Standard for testing

- 5.1 Appearance: Inspect appearance with eyes and sense of touch

5.1.1 Surface should be smooth and neat, plated film is good with no rust mark, and slippery mark etc.

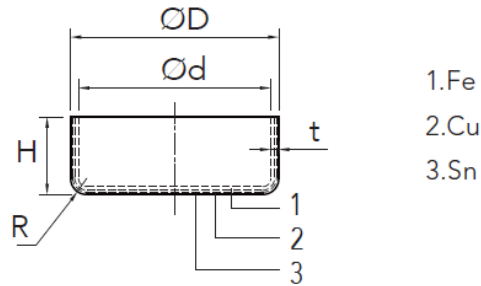
5.1.2 Allow 500ppm unqualified products of all the products exist (unqualified method include show copper、 black cap etc.)

- 5.2 Size: Measure it with vernier caliper

5.3 Film thickness: The thickness of copper –plate inside 0.4-0.7μm

The thickness of tin-plate outside 0.3-1.3μm

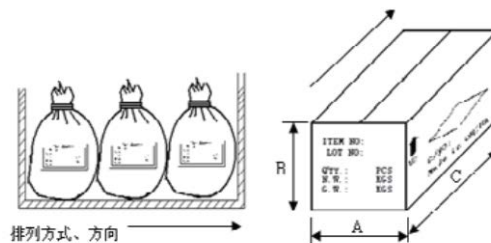
## 6. Dimension



Unit: mm

NO	Size	$\phi D$	$\phi d$	H	R (Max)	t=0.02
1	1.26 × 0.95	<sub>2</sub> 1.62±0.0	<sub>02</sub> 1.265±0.	0.95±0.02	0.15	0.15
2	1.64 × 1.42	2.10±0.02	1.64±0.02	1.42±0.04	0.20	0.20
3	1.95 × 1.74	2.51±0.02	1.93±0.02	1.74±0.03	0.25	0.25
4	1.95 × 1.85	2.51±0.02	1.93±0.02	1.85±0.03	0.25	0.25
5	2.45 × 1.95	3.00±0.02	2.44±0.02	1.95±0.05	0.25	0.25
6	2.90 × 2.00	3.50±0.03	2.92±0.02	2.00±0.05	0.25	0.25
7	2.90 × 2.10	3.50±0.03	2.92±0.02	2.10±0.05	0.25	0.25
8	3.41 × 2.35	4.00±0.03	3.41±0.02	2.35±0.05	0.25	0.25
9	3.91 × 2.35	4.50±0.03	3.91±0.03	2.35±0.05	0.25	0.25
10	4.90 × 2.85	5.48±0.02	4.88±0.03	2.85±0.05	0.25	0.25
11	6.90 × 3.45	7.50±0.02	6.90±0.03	3.45±0.05	0.25	0.25

## 7. Packing



No.	Type	Size (mm)			Quantity (KPCS)	
		A	B	C	Pouch	Box
1	1.3x2.7	25	20	45	600	1800
2	1.7x5.2	25	20	45	200	600
3	1.7x5.5	25	20	45	200	600
4	1.7x6.0	25	20	45	200	600
5	2.0x7.5	25	20	45	100	300
6	2.0x8.0	25	20	45	100	300
7	2.5x8.0	25	20	45	60	180
8	3.0x8.0	25	20	45	40	120
9	3.0x10	25	20	45	40	120
10	3.5x10	25	20	45	25	75
11	4.0x14	25	20	45	12.5	37.5
12	5.0x16	25	20	45	7.5	22.5
13	7.0x23	25	20	45	2.5	7.5

**8. Note**

- 8.1 UNI-ROYAL recommend the storage condition temperature: 15°C~35°C, humidity :25%~75%  
(Put condition for individual product)  
Even under UNI-ROYAL recommended storage condition, solderability of products over 1 year old (Put condition for each product) may be degraded.
- 8.2 Store / transport cartons in the correct direction, which is indicated on a carton as a symbol.  
Otherwise bent leads may occur due to excessive stress applied when dropping of a carton.
- 8.3 Product performance and soldered connections may deteriorate if the products are stored in the following places:
  - a. Storage in high Electrostatic
  - b. Storage in direct sunshine 、rain and snow or condensation
  - c. Where the products are exposed to sea winds or corrosive gases, including Cl<sub>2</sub>, H<sub>2</sub>S<sub>3</sub> NH<sub>3</sub>, SO<sub>2</sub>, NO<sub>2</sub>.

**9. Record**

Version	Description of amendment	Page	Date	Amended by	Checked by
1	First issue of this specification	1~7	Aug.23,2018	Chen Haiyan	Chen Nana

Uniroyal Electronics Global Co., Ltd. , all rights reserved. Spec. herein would be changed at any time without prior notice