

# DATA SHEET

**Product Name**    **Ceramic Case**

---

**Part Name**    **CK0/CG0 Series**

**File No.**    **DIP-SP-082**

## **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 Ceramic Case by UNI-ROYAL.
- 1.2 Superior Talc Material.
- 1.3 Full series in different size.
- 1.4 Hot-briquetting & Dry-pressing two different process.

## 2. Explanation of Part No. System

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

2.1 The 1<sup>th</sup> to 3<sup>th</sup> digits are to indicate the product Name .

Example: CK0 - Ceramic Case ; CG0 - Ceramic Tube

2.2 The 4<sup>th</sup> to 6<sup>th</sup> digits is the type.

Example: RM0=PRM

2.3 The 7<sup>th</sup> to 10<sup>th</sup> digit is the Wattage.

Example: 0002=2W

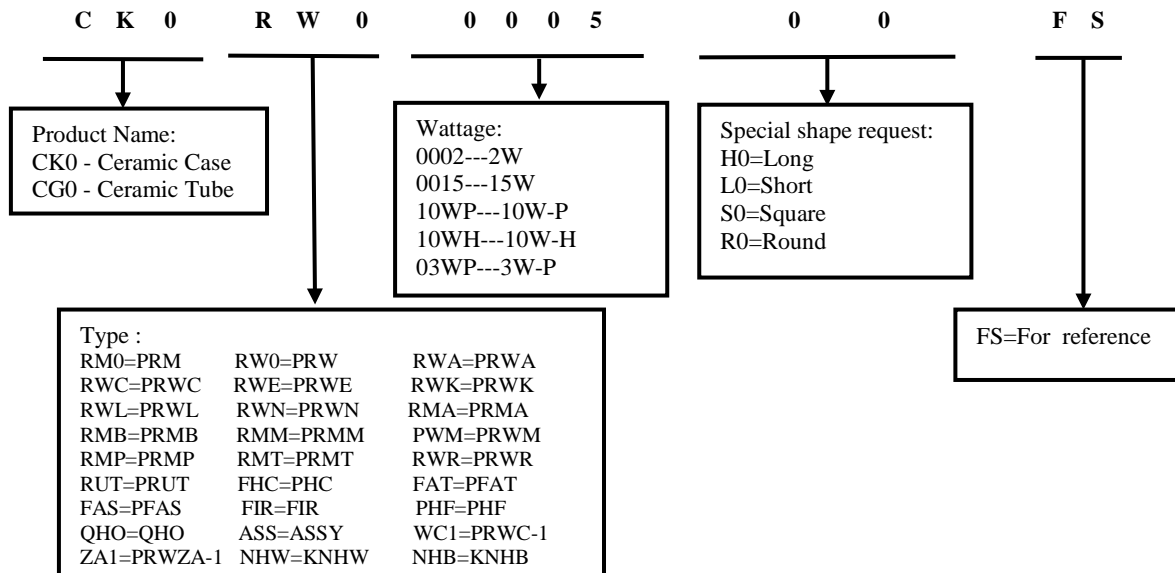
2.4 The 11<sup>th</sup> to 12<sup>th</sup> digits is the Special shape request .

Example: H0=Long ; L0=Short

2.5 The 13<sup>th</sup> to 14<sup>th</sup> digits is to For reference.


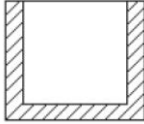
FS=For reference

## 3. Ordering Procedure: (Example: : CK0RW0000500FS)



## 4. Type & Dimension

Type	power	2W	3W	5W	7W	10W	15W	20W	25W	30W	40W
	L	18	22	22	35	10	49	60	64	-	-
	W	7	8	10	10	10	12.5	14.5	14.5	-	-
	H	7	8	9	9	9	11.5	13.5	13.5	-	-
	L	20	25	25	38	50	-	45	-	-	-
	W	11.5	12.5	12.5	12.5	12.5	-	20	-	-	-
	H	7.5	8.5	9	9	9	-	13.5	-	-	-
	L	-	22	27/25	35	48	48	63	-	-	-
	W	-	10	10	10	10	12.5	12.5	-	-	-
	H	-	9	9	9	9	11.5	13.5	-	-	-

PRT		L	-	-	-	-	48	48	63	-	75	90
	W	-	-	-	-	-	10	12.5	12.5	-	19	19
	H	-	-	-	-	-	9	11.5	13.5	-	19	19
	PFA		L	13/26	13/26	14/26	26	26	-	-	-	-
	W	5	5	5	5	-	-	-	-	-	-	-
	H	8.5/9	13.5/13	18	20	18	-	-	-	-	-	-

## 5. Performance Specifications

Item	Unit	Specification
Bulk Density	g/cm <sup>3</sup>	≥ 2.8
Flexural Strength 抗	MPa	139
Coefficient of Linear Thermal Expansion	×10 <sup>-6</sup> /°C	7.3
Permittivity	F/M	6.2
Dielectric Loss Tangent	×10 <sup>-4</sup>	13
Volume Resistivity	Ω.cm	≥ 10 <sup>12</sup>
Dielectric Strength	K v /mm	≥ 20

## 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:

- Storage in high Electrostatic
- Storage in direct sunshine、rain and snow or condensation
- Where the products are exposed to sea winds or corrosive gases, including Cl<sub>2</sub>, H<sub>2</sub>S, 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.27,2018	Chen Haiyan	Chen Nana

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