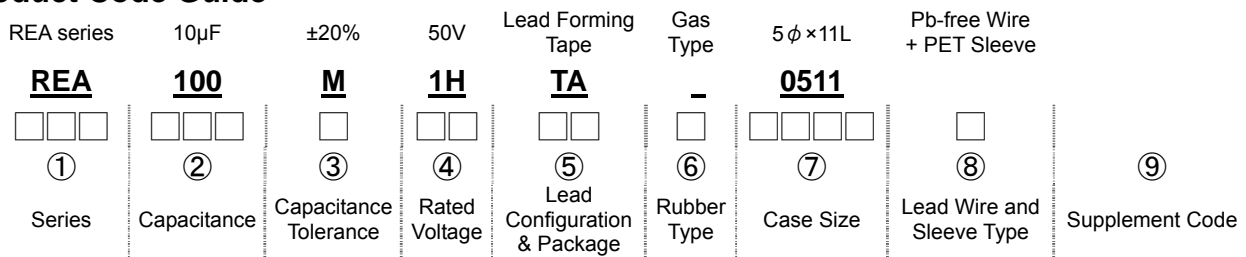


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 南京南山半导体有限公司

## Part Numbering System (Radial Type)

### Product Code Guide



#### ① Series:

Series is represented by a three-letter code. When the series name only has two letters, use a hyphen, "-", to fill the third blank. When the series name has 4 letters, use the following series codes. OCRZ→ORZ; OCRK→ORK; OCRU→ORU

#### ② Capacitance:

Capacitance in μF is represented by a three-digit code. The first two digits are significant and the third digit indicates the number of zeros following the significant figure. "R" represents the decimal point for capacitance under 10μF.

Example:

Capacitance	0.1	0.47	1	4.7	10	47	100	470	1,000	4,700	10,000
Part number	OR1	R47	010	4R7	100	470	101	471	102	472	103

#### ③ Tolerance:

J = -5% ~ +5%	K = -10% ~ +10%	M = -20% ~ +20%	V = -10% ~ +20%
---------------	-----------------	-----------------	-----------------

#### ④ Rated voltage:

Rated voltage in volts (V) is represented by a two-digit code.

Voltage (WV)	2.5	4	6.3	10	16	20	25	35	40	50	63	80	100
Code	0E	0G	0J	1A	1C	1D	1E	1V	1G	1H	1J	1K	2A
Voltage (WV)	160	200	220	250	330	350	400	420	450	500	525		
Code	2C	2D	2U	2E	2M	2V	2G	2P	2W	2H	2Y		

#### ⑤ Lead configuration and package (Please refer to page 17 ~ 19):

BK = Bulk Package	TA = Formed Lead Taping
FC = Formed & Cut Lead	SA = Straight Lead Taping
CC = Cut Lead	SD = Bent Cathode Lead
SF = Snap-in & Formed Cut Lead	BC = Bent & Cut Lead (Leads in Right Direction)
SC = Snap-in & Cut Lead	BU = Bent & Cut Lead (Leads in Left Direction)

#### ⑥ Rubber type:

- = Gas escape type	F = Flat rubber bung
---------------------	----------------------

Note 1: For case sizes of 3φ×5L, 12.5φ×16L, 16φ×16L, 16φ×20L, 18φ×16L, 18φ×20L, 18φ×25L of aluminum e-caps and 6.3φ×6 ~ 8L and 8φ×8L in OCRZ, ORE, OCRK series of OP-CAP, flat rubber bung is the standard design.

#### ⑦ Case size:

The first two digits indicate case diameter and the last two digits indicate case length in mm.

φD×L	3×5	4×5	4×7	5×5	5×7	5×11	6.3×5	6.3×5.5	6.3×6.5	6.3×7	6.3×8
Code	0305	0405	0407	0505	0507	0511	0605	0605*	0606*	0607	0608*
φD×L	6.3×11	6.3×15	8×5	8×7	8×8	8×9	8×10	8×11.5	8×12	8×15	8×20
Code	0611	0615	0805	0807	0808*	0809	0810*	0811	0812*	0815	0820
φD×L	10×9	10×10	10×12.5	10×16	10×20	10×25	10×30	10×35	10×40	10×45	10×50
Code	1009	1010*	1012	1016	1020	1025	1030	1035	1040	1045	1050
φD×L	12.5×16	12.5×20	12.5×25	12.5×30	12.5×35	12.5×40	12.5×45	12.5×50	16×16	16×20	16×25
Code	1316	1320	1325	1330	1335	1340	1345	1350	1616	1620	1625
φD×L	16×31.5	16×35.5	16×40	16×45	16×50	18×16	18×20	18×25	18×31.5	18×35.5	18×40
Code	1632	1636	1640	1645	1650	1816	1820	1825	1832	1836	1840
φD×L	18×45	18×50	20×40	20×45	20×50	22×40	22×45	22×50	25×40		
Code	1845	1850	2040	2045	2050	2240	2245	2250	2540		

Note 1: Size codes with a mark of "\*" are for OP-CAP.

Note 2: When a case size is required and not shown in the table, please contact with us for further discussion.



## Part Numbering System

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### ⑧ Lead wire and sleeve type:

None = Standard design Pb-free wire + PET sleeve (aluminum e-cap) Pb-free wire + Coating case (OP-CAP)	T = Sn-Pb wire + PET sleeve
B = Sn-Bi wire + PET sleeve	G = Pb-free wire + Black PET sleeve (for RGA series only)
K / L = Automotive control code	

\* When a supplement code following a blank digit code of lead wire and sleeve type (standard design), use a hyphen, “ - ”, to fill the blank digit.

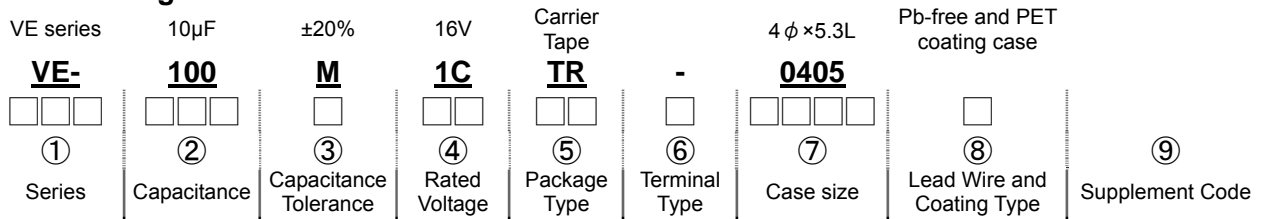
\* When automotive control code is required, please contact with us for further discussion.

### ⑨ Supplement code (Optional):

For special control purposes.

## Part Numbering System (SMD Type)

### Product code guide



#### ① Series:

Series is represented by a three-letter code. When the series name only has two letters, use a hyphen, “-”, to fill the third blank. When the series name has 4 letters, use the following series codes. OCVZ→OVZ; OCVU→OVU

#### ② ~ ④: Please refer to Part Numbering System (Radial Type)

#### ⑤ Package:

TR	Reel package with reel diameter 380 mm
TM	Reel package with reel diameter 450 mm
T-	Tray package for case diameter 12.5 ~ 18mm

#### ⑥ Terminal:

-	No dummy terminal
A	For automotive application (10G)
G	For super high G shock application (50G)

#### ⑦ Case size:

The first two digits indicate case diameter and the last two digits indicate case length in mm.

$\phi$ D $\times$ L	3 $\times$ 5.3	4 $\times$ 4.5	4 $\times$ 5.3	4 $\times$ 5.7	5 $\times$ 4.5	5 $\times$ 5.3	5 $\times$ 5.7	5 $\times$ 5.9	6.3 $\times$ 4.5	6.3 $\times$ 5.3
Code	<b>0305</b>	<b>0404</b>	<b>0405</b>	<b>0406</b>	<b>0504</b>	<b>0505</b>	<b>0506</b>	<b>0506*</b>	<b>0604</b>	<b>0605</b>
$\phi$ D $\times$ L	6.3 $\times$ 5.7	6.3 $\times$ 5.9	6.3 $\times$ 7.0	6.3 $\times$ 7.7	8 $\times$ 6.5	8 $\times$ 6.7	8 $\times$ 10	8 $\times$ 12	10 $\times$ 7.7	10 $\times$ 10(9.9)
Code	<b>0606</b>	<b>0606*</b>	<b>0607*</b>	<b>0607</b> <b>0608*</b>	<b>0806</b>	<b>0807*</b>	<b>0810</b>	<b>0812*</b>	<b>1008</b>	<b>1010</b>
$\phi$ D $\times$ L	10 $\times$ 12.7	12.5 $\times$ 13.5	12.5 $\times$ 16	16 $\times$ 16.5	16 $\times$ 21.5	18 $\times$ 16.5	18 $\times$ 21.5			
Code	<b>1013*</b>	<b>1313</b>	<b>1316</b>	<b>1616</b>	<b>1621</b>	<b>1816</b>	<b>1821</b>			

Note 1: Size codes with a mark of “\*” are used for OP-CAP only.

Note 2: When a case size is required and not shown in the table, please contact with us for further discussion.

#### ⑧ Lead wire and case coating type:

None = Pb free wire + PET coated case (Standard design)	E = Sn-Bi wire + PET coated case
B = Sn-Bi wire + coating case	K / L = Automotive control code

\* When a supplement code following a blank digit code of lead wire and case coating type (standard design), use a hyphen, “-”, to fill the blank digit.

\* When automotive control code is required, please contact with us for further discussion.

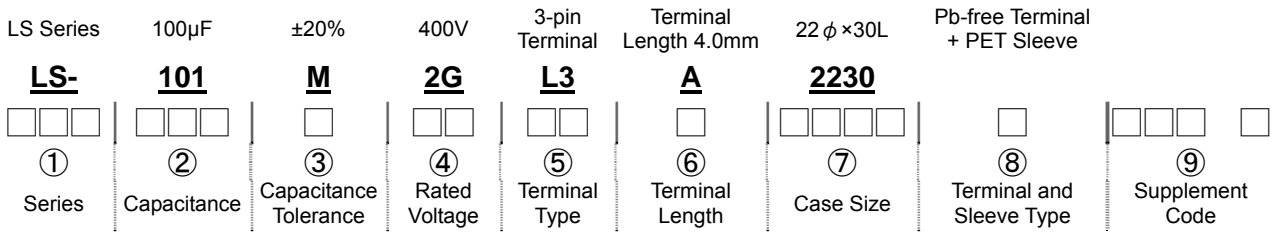
#### ⑨ Supplement code (Optional):

For special control purpose



## Part Numbering System (Snap-in Type)

### Product Code Guide



① ~ ④: Please Refer to **Part Numbering System (Radial Type)**

⑤ **Terminal type (Refer to page 20):**

Terminal type(pins)	2 (Standard)	3		4	5	Vibration-resistant	Horizontal Mounting	
Terminal code	--	L3	S3	L4	L5	T2	H2	G2

⑥ **Terminal length:**

Terminal length(mm)	4.0	6.3
Terminal code	A	-

⑦ **Case Size:**

The first two digits indicate case diameter in mm. The last two digits indicate case length in mm.

φ D×L	20×25	20×30	20×35	20×40	20×45	20×50	22×25	22×30	22×35	22×40	22×45
<b>Code</b>	<b>2025</b>	<b>2030</b>	<b>2035</b>	<b>2040</b>	<b>2045</b>	<b>2050</b>	<b>2225</b>	<b>2230</b>	<b>2235</b>	<b>2240</b>	<b>2245</b>
φ D×L	22×50	25×25	25×30	25×35	25×40	25×45	25×50	30×25	30×30	30×35	30×40
<b>Code</b>	<b>2250</b>	<b>2525</b>	<b>2530</b>	<b>2535</b>	<b>2540</b>	<b>2545</b>	<b>2550</b>	<b>3025</b>	<b>3030</b>	<b>3035</b>	<b>3040</b>
φ D×L	30×45	30×50	35×25	35×30	35×35	35×40	35×45	35×50	35×60	35×70	35×80
<b>Code</b>	<b>3045</b>	<b>3050</b>	<b>3525</b>	<b>3530</b>	<b>3535</b>	<b>3540</b>	<b>3545</b>	<b>3550</b>	<b>3560</b>	<b>3570</b>	<b>3580</b>
φ D×L	35×90	35×100	40×40	40×45	40×50	40×60	40×70	40×80	40×90	40×100	
<b>Code</b>	<b>3590</b>	<b>35A0</b>	<b>4040</b>	<b>4045</b>	<b>4050</b>	<b>4060</b>	<b>4070</b>	<b>4080</b>	<b>4090</b>	<b>40A0</b>	

Note: When a case size is required and not shown in the table, please contact with us for further discussion.

⑧ **Terminal and sleeve type**

None = Pb free terminal + PET sleeve (Standard design)
R = Pb free terminal + PET sleeve + Rilled
N = Pb free terminal + PET sleeve + No bottom insulation
L = Pb free terminal + PET sleeve + No bottom insulation +Rilled

\* When a supplement code following a blank digit code of terminal and sleeve type (standard design), use a hyphen, " - ", to fill the blank digit.

\* When the bottom insulation plate is not required or a rilled construction is necessary, please consult Lelon.

⑨ **Supplement code (Optional):**

For special control purposes

## Part Numbering System (Screw Type)

### Product Code Guide

MEA series	3300 $\mu$ F	$\pm 20\%$	400V	Rills +Stud Bottom Case	M5 Post	64 $\phi$ $\times$ 115L	Pb-free Terminal + PVC Sleeve	
<b>MEA</b>	<b>332</b>	<b>M</b>	<b>2G</b>	<b>H</b>	<b>:</b>	<b>C115</b>		
□□□	□□□	□	□□	□	□	□□□□	□	□
①	②	③	④	⑤	⑥	⑦	⑧	⑨
Series	Capacitance	Capacitance Tolerance	Rated Voltage	Case Type	Terminal Type	Case Size	Terminal and Sleeve Type	Supplement Code

① ~ ④: Please refer to **Part Numbering System (Radial Type)**

#### ⑤ Case type:

- = Plain Case + Mounting clamp	N = Rilled Case + Mounting clamp
X = Plain Case	R = Rilled Case
S = Plain + Stud Bottom Case	H = Rilled + Stud Bottom Case
I = Plain Case + Mounting clamp (2 footed mounting clamp)	

#### ⑥ Terminal type:

Terminal Type	Post Diameter (mm)	Height ( $\pm 1$ mm)	For Case Diameters	Code
M5 Post, Small	8	6.5	35	A
M5 Post	10	6.5	51 ~ 90	-
M5 Post, High Current	17.4	6.5	77 ~ 90	C
M6 Post, High Current	17.4	6.5	77 ~ 90	D

#### ⑦ Case size:

The first one digit indicates case diameter and the last three digits indicate case length in mm.

$\phi$ D $\times$ L	35 $\times$ 53	35 $\times$ 65	35 $\times$ 75	35 $\times$ 83	35 $\times$ 100	35 $\times$ 121	51 $\times$ 75	51 $\times$ 83	51 $\times$ 96	51 $\times$ 100	51 $\times$ 115
<b>Code</b>	<b>A053</b>	<b>A065</b>	<b>A075</b>	<b>A083</b>	<b>A100</b>	<b>A121</b>	<b>B075</b>	<b>B083</b>	<b>B096</b>	<b>B100</b>	<b>B115</b>
$\phi$ D $\times$ L	51 $\times$ 121	51 $\times$ 130	64 $\times$ 96	64 $\times$ 100	64 $\times$ 115	64 $\times$ 121	64 $\times$ 130	64 $\times$ 144	77 $\times$ 96	77 $\times$ 115	77 $\times$ 121
<b>Code</b>	<b>B121</b>	<b>B130</b>	<b>C096</b>	<b>C100</b>	<b>C115</b>	<b>C121</b>	<b>C130</b>	<b>C144</b>	<b>D096</b>	<b>D115</b>	<b>D121</b>
$\phi$ D $\times$ L	77 $\times$ 130	77 $\times$ 144	77 $\times$ 155	90 $\times$ 130	90 $\times$ 157	90 $\times$ 196	90 $\times$ 236				
<b>Code</b>	<b>D130</b>	<b>D144</b>	<b>D155</b>	<b>E130</b>	<b>E157</b>	<b>E196</b>	<b>E236</b>				

Note: When a case size is required and not shown in the table, please contact with us for further discussion.

#### ⑧ Terminal and sleeve type

None = Pb-free terminal + PVC sleeve (Standard design)

\* When a supplement code following a blank digit code of terminal and sleeve type (standard design), use a hyphen, "-", to fill the blank digit.

#### ⑨ Supplement code (Optional):

For special control purposes