

## Explanation of part numbers

### Part number system

◇ Type 1 (Series : FC, FK, FM, FR, EB, ED, EE, TA, TP, HD, GA)

EE U/A	FC	0J	272	□ + B																																																																																																																																																																							
Product classification 3 figures	Series code 2 figures	Voltage code 2 figures	Capacitance code 3 figures	Suffix + Taping of forming of terminal code 0 to 2 figures																																																																																																																																																																							
	<table border="1"> <thead> <tr> <th>Series</th> <th>Code</th> </tr> </thead> <tbody> <tr><td>FC (105 °C 3000 h to 5000 h)</td><td>FC</td></tr> <tr><td>FK (105 °C 4000 h to 5000 h)</td><td>FK</td></tr> <tr><td>FM (105 °C 4000 h to 7000 h)</td><td>FM</td></tr> <tr><td>FR (105 °C 5000 h to 10000 h)</td><td>FR</td></tr> <tr><td>FS (105 °C 5000 h to 10000 h)</td><td>FS</td></tr> <tr><td>FP (105 °C 4000 h to 5000 h)</td><td>FP</td></tr> <tr><td>EB (105 °C 5000 h to 10000 h)</td><td>EB</td></tr> <tr><td>ED (105 °C 8000 h to 10000 h)</td><td>ED</td></tr> <tr><td>EE (105 °C 8000 h to 10000 h)</td><td>EE</td></tr> <tr><td>TA (125 °C 2000 h)</td><td>TA</td></tr> <tr><td>TP (125 °C 3000 h to 5000 h)</td><td>TP</td></tr> <tr><td>HD (105 °C 2000 h)</td><td>HD</td></tr> <tr><td>GA (105 °C 1000 h)</td><td>GA</td></tr> </tbody> </table>	Series	Code	FC (105 °C 3000 h to 5000 h)	FC	FK (105 °C 4000 h to 5000 h)	FK	FM (105 °C 4000 h to 7000 h)	FM	FR (105 °C 5000 h to 10000 h)	FR	FS (105 °C 5000 h to 10000 h)	FS	FP (105 °C 4000 h to 5000 h)	FP	EB (105 °C 5000 h to 10000 h)	EB	ED (105 °C 8000 h to 10000 h)	ED	EE (105 °C 8000 h to 10000 h)	EE	TA (125 °C 2000 h)	TA	TP (125 °C 3000 h to 5000 h)	TP	HD (105 °C 2000 h)	HD	GA (105 °C 1000 h)	GA	<table border="1"> <thead> <tr> <th>Rated voltage (V.DC)</th> <th>Code</th> </tr> </thead> <tbody> <tr><td>6.3</td><td>0J</td></tr> <tr><td>10</td><td>1A</td></tr> <tr><td>16</td><td>1C</td></tr> <tr><td>25</td><td>1E</td></tr> <tr><td>35</td><td>1V</td></tr> <tr><td>50</td><td>1H</td></tr> <tr><td>63</td><td>1J</td></tr> <tr><td>100</td><td>2A</td></tr> <tr><td>160</td><td>2C</td></tr> <tr><td>200</td><td>2D</td></tr> <tr><td>250</td><td>2E</td></tr> <tr><td>350</td><td>2V</td></tr> <tr><td>400</td><td>2G</td></tr> <tr><td>450</td><td>2W</td></tr> </tbody> </table>	Rated voltage (V.DC)	Code	6.3	0J	10	1A	16	1C	25	1E	35	1V	50	1H	63	1J	100	2A	160	2C	200	2D	250	2E	350	2V	400	2G	450	2W	<table border="1"> <thead> <tr> <th>Capacitance (μF)</th> <th>Code</th> <th>Capacitance (μF)</th> <th>Code</th> </tr> </thead> <tbody> <tr><td>1.5</td><td>1R5</td><td>390</td><td>391</td></tr> <tr><td>2.2</td><td>2R2</td><td>470</td><td>471</td></tr> <tr><td>3.3</td><td>3R3</td><td>510</td><td>511</td></tr> <tr><td>4.7</td><td>4R7</td><td>560</td><td>561</td></tr> <tr><td>5.6</td><td>5R6</td><td>680</td><td>681</td></tr> <tr><td>6.8</td><td>6R8</td><td>820</td><td>821</td></tr> <tr><td>10</td><td>100</td><td>1000</td><td>102</td></tr> <tr><td>12</td><td>120</td><td>1200</td><td>122</td></tr> <tr><td>15</td><td>150</td><td>1500</td><td>152</td></tr> <tr><td>18</td><td>180</td><td>1600</td><td>162</td></tr> <tr><td>22</td><td>220</td><td>1800</td><td>182</td></tr> <tr><td>27</td><td>270</td><td>2000</td><td>202</td></tr> <tr><td>33</td><td>330</td><td>2200</td><td>222</td></tr> <tr><td>39</td><td>390</td><td>2700</td><td>272</td></tr> <tr><td>47</td><td>470</td><td>3300</td><td>332</td></tr> <tr><td>56</td><td>560</td><td>3900</td><td>392</td></tr> <tr><td>68</td><td>680</td><td>4700</td><td>472</td></tr> <tr><td>82</td><td>820</td><td>5100</td><td>512</td></tr> <tr><td>100</td><td>101</td><td>5600</td><td>562</td></tr> <tr><td>120</td><td>121</td><td>6800</td><td>682</td></tr> <tr><td>150</td><td>151</td><td>8200</td><td>822</td></tr> <tr><td>180</td><td>181</td><td>10000</td><td>103</td></tr> <tr><td>220</td><td>221</td><td>12000</td><td>123</td></tr> <tr><td>270</td><td>271</td><td>15000</td><td>153</td></tr> <tr><td>330</td><td>331</td><td>22000</td><td>223</td></tr> </tbody> </table>	Capacitance (μF)	Code	Capacitance (μF)	Code	1.5	1R5	390	391	2.2	2R2	470	471	3.3	3R3	510	511	4.7	4R7	560	561	5.6	5R6	680	681	6.8	6R8	820	821	10	100	1000	102	12	120	1200	122	15	150	1500	152	18	180	1600	162	22	220	1800	182	27	270	2000	202	33	330	2200	222	39	390	2700	272	47	470	3300	332	56	560	3900	392	68	680	4700	472	82	820	5100	512	100	101	5600	562	120	121	6800	682	150	151	8200	822	180	181	10000	103	220	221	12000	123	270	271	15000	153	330	331	22000	223	<table border="1"> <thead> <tr> <th>Taping of forming of terminal code</th> </tr> </thead> <tbody> <tr><td>* Blank : Straight</td></tr> <tr><td>* E : Lead forming</td></tr> <tr><td>* B : Taping (Pitch 5.0, 7.5 mm)</td></tr> <tr><td>* H : Taping (Pitch 2.5 mm)</td></tr> </tbody> </table>	Taping of forming of terminal code	* Blank : Straight	* E : Lead forming	* B : Taping (Pitch 5.0, 7.5 mm)	* H : Taping (Pitch 2.5 mm)
Series	Code																																																																																																																																																																										
FC (105 °C 3000 h to 5000 h)	FC																																																																																																																																																																										
FK (105 °C 4000 h to 5000 h)	FK																																																																																																																																																																										
FM (105 °C 4000 h to 7000 h)	FM																																																																																																																																																																										
FR (105 °C 5000 h to 10000 h)	FR																																																																																																																																																																										
FS (105 °C 5000 h to 10000 h)	FS																																																																																																																																																																										
FP (105 °C 4000 h to 5000 h)	FP																																																																																																																																																																										
EB (105 °C 5000 h to 10000 h)	EB																																																																																																																																																																										
ED (105 °C 8000 h to 10000 h)	ED																																																																																																																																																																										
EE (105 °C 8000 h to 10000 h)	EE																																																																																																																																																																										
TA (125 °C 2000 h)	TA																																																																																																																																																																										
TP (125 °C 3000 h to 5000 h)	TP																																																																																																																																																																										
HD (105 °C 2000 h)	HD																																																																																																																																																																										
GA (105 °C 1000 h)	GA																																																																																																																																																																										
Rated voltage (V.DC)	Code																																																																																																																																																																										
6.3	0J																																																																																																																																																																										
10	1A																																																																																																																																																																										
16	1C																																																																																																																																																																										
25	1E																																																																																																																																																																										
35	1V																																																																																																																																																																										
50	1H																																																																																																																																																																										
63	1J																																																																																																																																																																										
100	2A																																																																																																																																																																										
160	2C																																																																																																																																																																										
200	2D																																																																																																																																																																										
250	2E																																																																																																																																																																										
350	2V																																																																																																																																																																										
400	2G																																																																																																																																																																										
450	2W																																																																																																																																																																										
Capacitance (μF)	Code	Capacitance (μF)	Code																																																																																																																																																																								
1.5	1R5	390	391																																																																																																																																																																								
2.2	2R2	470	471																																																																																																																																																																								
3.3	3R3	510	511																																																																																																																																																																								
4.7	4R7	560	561																																																																																																																																																																								
5.6	5R6	680	681																																																																																																																																																																								
6.8	6R8	820	821																																																																																																																																																																								
10	100	1000	102																																																																																																																																																																								
12	120	1200	122																																																																																																																																																																								
15	150	1500	152																																																																																																																																																																								
18	180	1600	162																																																																																																																																																																								
22	220	1800	182																																																																																																																																																																								
27	270	2000	202																																																																																																																																																																								
33	330	2200	222																																																																																																																																																																								
39	390	2700	272																																																																																																																																																																								
47	470	3300	332																																																																																																																																																																								
56	560	3900	392																																																																																																																																																																								
68	680	4700	472																																																																																																																																																																								
82	820	5100	512																																																																																																																																																																								
100	101	5600	562																																																																																																																																																																								
120	121	6800	682																																																																																																																																																																								
150	151	8200	822																																																																																																																																																																								
180	181	10000	103																																																																																																																																																																								
220	221	12000	123																																																																																																																																																																								
270	271	15000	153																																																																																																																																																																								
330	331	22000	223																																																																																																																																																																								
Taping of forming of terminal code																																																																																																																																																																											
* Blank : Straight																																																																																																																																																																											
* E : Lead forming																																																																																																																																																																											
* B : Taping (Pitch 5.0, 7.5 mm)																																																																																																																																																																											
* H : Taping (Pitch 2.5 mm)																																																																																																																																																																											

◇ Type 2 (Series : NHG, GA-Bipolar, M)

ECA	0J	HG	101	□ + B																																																																																							
Product classification 3 figures	Voltage code 2 figures	Series code 1 to 2 figures	Capacitance code 3 figures	Suffix + Taping of forming of terminal code 0 to 3 figures																																																																																							
	<table border="1"> <thead> <tr> <th>Rated voltage (V.DC)</th> <th>Code</th> </tr> </thead> <tbody> <tr><td>6.3</td><td>0J</td></tr> <tr><td>10</td><td>1A</td></tr> <tr><td>16</td><td>1C</td></tr> <tr><td>25</td><td>1E</td></tr> <tr><td>35</td><td>1V</td></tr> <tr><td>50</td><td>1H</td></tr> <tr><td>63</td><td>1J</td></tr> <tr><td>100</td><td>2A</td></tr> <tr><td>160</td><td>2C</td></tr> <tr><td>200</td><td>2D</td></tr> <tr><td>250</td><td>2E</td></tr> <tr><td>350</td><td>2V</td></tr> <tr><td>400</td><td>2G</td></tr> <tr><td>450</td><td>2W</td></tr> </tbody> </table>	Rated voltage (V.DC)	Code	6.3	0J	10	1A	16	1C	25	1E	35	1V	50	1H	63	1J	100	2A	160	2C	200	2D	250	2E	350	2V	400	2G	450	2W	<table border="1"> <thead> <tr> <th>Series</th> <th>Code</th> </tr> </thead> <tbody> <tr><td>NHG (105°C 1000 h to 2000 h)</td><td>HG</td></tr> <tr><td>GA-Bipolar (105°C 1000 h to 2000 h)</td><td>EN</td></tr> <tr><td>M (85°C 2000 h)</td><td>M</td></tr> </tbody> </table>	Series	Code	NHG (105°C 1000 h to 2000 h)	HG	GA-Bipolar (105°C 1000 h to 2000 h)	EN	M (85°C 2000 h)	M	<table border="1"> <thead> <tr> <th>Capacitance (μF)</th> <th>Code</th> <th>Capacitance (μF)</th> <th>Code</th> </tr> </thead> <tbody> <tr><td>1</td><td>010</td><td>330</td><td>331</td></tr> <tr><td>2.2</td><td>2R2</td><td>470</td><td>471</td></tr> <tr><td>3.3</td><td>3R3</td><td>1000</td><td>102</td></tr> <tr><td>4.7</td><td>4R7</td><td>2200</td><td>222</td></tr> <tr><td>10</td><td>100</td><td>3300</td><td>332</td></tr> <tr><td>22</td><td>220</td><td>4700</td><td>472</td></tr> <tr><td>33</td><td>330</td><td>6800</td><td>682</td></tr> <tr><td>47</td><td>470</td><td>10000</td><td>103</td></tr> <tr><td>100</td><td>101</td><td>15000</td><td>153</td></tr> <tr><td>220</td><td>221</td><td>22000</td><td>223</td></tr> </tbody> </table>	Capacitance (μF)	Code	Capacitance (μF)	Code	1	010	330	331	2.2	2R2	470	471	3.3	3R3	1000	102	4.7	4R7	2200	222	10	100	3300	332	22	220	4700	472	33	330	6800	682	47	470	10000	103	100	101	15000	153	220	221	22000	223	<table border="1"> <thead> <tr> <th>Taping of forming of terminal code</th> </tr> </thead> <tbody> <tr><td>* Blank : Straight</td></tr> <tr><td>* E : Lead forming</td></tr> <tr><td>* B : Taping (Pitch 5.0, 7.5 mm)</td></tr> <tr><td>* i : Taping (Pitch 2.5 mm)</td></tr> </tbody> </table>	Taping of forming of terminal code	* Blank : Straight	* E : Lead forming	* B : Taping (Pitch 5.0, 7.5 mm)	* i : Taping (Pitch 2.5 mm)
Rated voltage (V.DC)	Code																																																																																										
6.3	0J																																																																																										
10	1A																																																																																										
16	1C																																																																																										
25	1E																																																																																										
35	1V																																																																																										
50	1H																																																																																										
63	1J																																																																																										
100	2A																																																																																										
160	2C																																																																																										
200	2D																																																																																										
250	2E																																																																																										
350	2V																																																																																										
400	2G																																																																																										
450	2W																																																																																										
Series	Code																																																																																										
NHG (105°C 1000 h to 2000 h)	HG																																																																																										
GA-Bipolar (105°C 1000 h to 2000 h)	EN																																																																																										
M (85°C 2000 h)	M																																																																																										
Capacitance (μF)	Code	Capacitance (μF)	Code																																																																																								
1	010	330	331																																																																																								
2.2	2R2	470	471																																																																																								
3.3	3R3	1000	102																																																																																								
4.7	4R7	2200	222																																																																																								
10	100	3300	332																																																																																								
22	220	4700	472																																																																																								
33	330	6800	682																																																																																								
47	470	10000	103																																																																																								
100	101	15000	153																																																																																								
220	221	22000	223																																																																																								
Taping of forming of terminal code																																																																																											
* Blank : Straight																																																																																											
* E : Lead forming																																																																																											
* B : Taping (Pitch 5.0, 7.5 mm)																																																																																											
* i : Taping (Pitch 2.5 mm)																																																																																											

◇ Type 3 (Series : KA, KA-Bipolar, KS, KS-Bipolar, SU-Bipolar)

ECEA	0J	N	472	□ + B																																																																					
Product classification 4 figures	Voltage code 2 figures	Series code 1 to 2 figures	Capacitance code 3 figures	Suffix + Taping of forming of terminal code 0 to 1 figure																																																																					
	<table border="1"> <thead> <tr> <th>Rated voltage (V.DC)</th> <th>Code</th> </tr> </thead> <tbody> <tr><td>4</td><td>0D</td></tr> <tr><td>6.3</td><td>0J</td></tr> <tr><td>10</td><td>1A</td></tr> <tr><td>16</td><td>1C</td></tr> <tr><td>25</td><td>1E</td></tr> <tr><td>35</td><td>1V</td></tr> <tr><td>50</td><td>1H</td></tr> </tbody> </table>	Rated voltage (V.DC)	Code	4	0D	6.3	0J	10	1A	16	1C	25	1E	35	1V	50	1H	<table border="1"> <thead> <tr> <th>Series</th> <th>Code</th> </tr> </thead> <tbody> <tr><td>KA (85°C 1000 h)</td><td>KA</td></tr> <tr><td>KA-Bipolar (85°C 1000 h)</td><td>KN</td></tr> <tr><td>KS (85°C 1000 h)</td><td>KS</td></tr> <tr><td>KS-Bipolar (85°C 1000 h)</td><td>SN</td></tr> <tr><td>SU-Bipolar (85°C 2000 h)</td><td>N</td></tr> </tbody> </table>	Series	Code	KA (85°C 1000 h)	KA	KA-Bipolar (85°C 1000 h)	KN	KS (85°C 1000 h)	KS	KS-Bipolar (85°C 1000 h)	SN	SU-Bipolar (85°C 2000 h)	N	<table border="1"> <thead> <tr> <th>Capacitance (μF)</th> <th>Code</th> <th>Capacitance (μF)</th> <th>Code</th> </tr> </thead> <tbody> <tr><td>2.2</td><td>2R2</td><td>220</td><td>221</td></tr> <tr><td>3.3</td><td>3R3</td><td>330</td><td>331</td></tr> <tr><td>4.7</td><td>4R7</td><td>470</td><td>471</td></tr> <tr><td>10</td><td>100</td><td>1000</td><td>102</td></tr> <tr><td>22</td><td>220</td><td>2200</td><td>222</td></tr> <tr><td>33</td><td>330</td><td>3300</td><td>332</td></tr> <tr><td>47</td><td>470</td><td>4700</td><td>472</td></tr> <tr><td>100</td><td>101</td><td>6800</td><td>682</td></tr> </tbody> </table>	Capacitance (μF)	Code	Capacitance (μF)	Code	2.2	2R2	220	221	3.3	3R3	330	331	4.7	4R7	470	471	10	100	1000	102	22	220	2200	222	33	330	3300	332	47	470	4700	472	100	101	6800	682	<table border="1"> <thead> <tr> <th>Taping of forming of terminal code</th> </tr> </thead> <tbody> <tr><td>* Blank : Straight</td></tr> <tr><td>* E : Lead forming</td></tr> <tr><td>* B : Taping (Pitch 5.0, 7.5 mm)</td></tr> <tr><td>* i : Taping (Pitch 2.5 mm)</td></tr> </tbody> </table>	Taping of forming of terminal code	* Blank : Straight	* E : Lead forming	* B : Taping (Pitch 5.0, 7.5 mm)	* i : Taping (Pitch 2.5 mm)
Rated voltage (V.DC)	Code																																																																								
4	0D																																																																								
6.3	0J																																																																								
10	1A																																																																								
16	1C																																																																								
25	1E																																																																								
35	1V																																																																								
50	1H																																																																								
Series	Code																																																																								
KA (85°C 1000 h)	KA																																																																								
KA-Bipolar (85°C 1000 h)	KN																																																																								
KS (85°C 1000 h)	KS																																																																								
KS-Bipolar (85°C 1000 h)	SN																																																																								
SU-Bipolar (85°C 2000 h)	N																																																																								
Capacitance (μF)	Code	Capacitance (μF)	Code																																																																						
2.2	2R2	220	221																																																																						
3.3	3R3	330	331																																																																						
4.7	4R7	470	471																																																																						
10	100	1000	102																																																																						
22	220	2200	222																																																																						
33	330	3300	332																																																																						
47	470	4700	472																																																																						
100	101	6800	682																																																																						
Taping of forming of terminal code																																																																									
* Blank : Straight																																																																									
* E : Lead forming																																																																									
* B : Taping (Pitch 5.0, 7.5 mm)																																																																									
* i : Taping (Pitch 2.5 mm)																																																																									