

Surface Mount Type

FK series

V type



Features

- Endurance : 105 °C 2000 h to 5000 h
- Low impedance (40 % to 60 % less than FC series)
- Miniaturized (30 % to 50 % less than FC series)
- Vibration-proof product (30G guaranteed) is available upon request ($\phi 6.3 \leq$)
- AEC-Q200 compliant
- RoHS compliant

Specifications

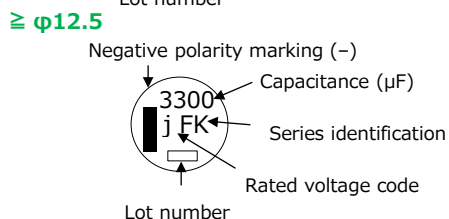
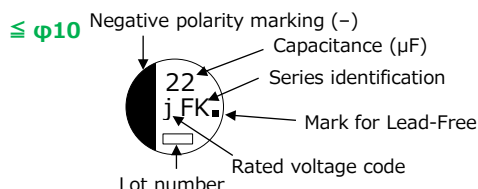
Category temp. range	-55 °C to +105 °C										
Rated voltage range	6.3 V to 100 V										
Capacitance range	3.3 µF to 6800 µF										
Capacitance tolerance	±20 % (120 Hz / +20 °C)										
Leakage current	I ≤ 0.01 CV or 3 (µA) After 2 minutes (Whichever is greater)										
Dissipation factor (tan δ)	Please see the attached characteristics list										
Characteristics at low temperature	Rated voltage (V)	6.3	10	16	25	35	50	63	80	100	(Impedance ratio at 120 Hz)
	Z (-25 °C) / Z (+20 °C)	2	2	2	2	2	2	2	2	2	
	Z (-40 °C) / Z (+20 °C)	3	3	3	3	3	3	3	3	3	
	Z (-55 °C) / Z (+20 °C)	4	4	4	3	3	3	3	3	3	
Endurance	After applying rated working voltage for 2000 hours at +105 °C ± 2 °C and then being stabilized at +20 °C, capacitors shall meet the following limits. (≥ ϕ12.5 and suffix "G" in ϕ8×10.2, ϕ10×10.2 are 5000 hours)										
	Capacitance change	Within ±30 % of the initial value (Suffix "G" is 35 %)									
	Dissipation factor (tan δ)	≤ 200 % of the initial limit (Suffix "G" is 300 %)									
	Leakage current	Within the initial limit									
Shelf life	After storage for 1000 hours at +105 °C ± 2 °C with no voltage applied and then being stabilized at +20 °C, capacitors shall meet the limits specified in endurance. (With voltage treatment)										
Resistance to soldering heat	After reflow soldering and then being stabilized at +20 °C, capacitors shall meet the following limits.										
	Capacitance change	Within ±10 % of the initial value									
	Dissipation factor (tan δ)	Within the initial limit									
	Leakage current	Within the initial limit									

Frequency correction factor for ripple current

Frequency (Hz)	50, 60	120	1 k	10 k	100 k to
Correction factor	0.70	0.75	0.90	0.95	1.00

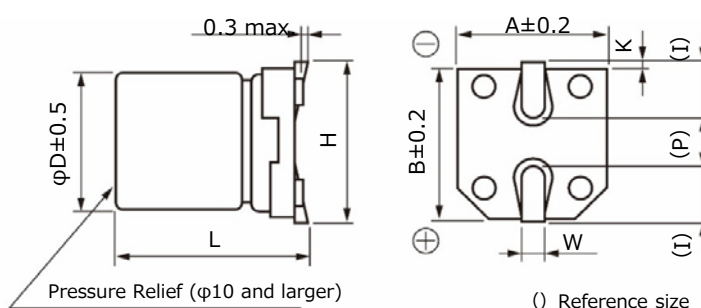
Marking

Example : 6.3 V 22 μ F, 6.3 V 3300 μ F
Marking color : BLACK



R. voltage code		Unit : V	
j	6.3	H	50
A	10	J	63
C	16	K	80
E	25	2A	100
V	35		

Dimensions



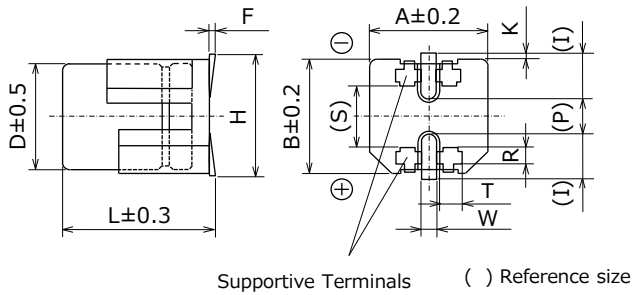
Size code	ϕD	L	A, B	H	I	W	P	K
B	4.0	5.8 ± 0.3	4.3	5.5 max.	1.8	0.65 ± 0.1	1.0	0.35 ^{+0.15} _{-0.20}
C	5.0	5.8 ± 0.3	5.3	6.5 max.	2.2	0.65 ± 0.1	1.5	0.35 ^{+0.15} _{-0.20}
D	6.3	5.8 ± 0.3	6.6	7.8 max.	2.6	0.65 ± 0.1	1.8	0.35 ^{+0.15} _{-0.20}
D8	6.3	7.7 ± 0.3	6.6	7.8 max.	2.6	0.65 ± 0.1	1.8	0.35 ^{+0.15} _{-0.20}
E	8.0	6.2 ± 0.3	8.3	9.5 max.	3.4	0.65 ± 0.1	2.2	0.35 ^{+0.15} _{-0.20}
F	8.0	10.2 ± 0.3	8.3	10.0 max.	3.4	0.90 ± 0.2	3.1	0.70 ± 0.2
G	10.0	10.2 ± 0.3	10.3	12.0 max.	3.5	0.90 ± 0.2	4.6	0.70 ± 0.2
H13	12.5	13.5 ± 0.5	13.5	15.0 max.	4.7	0.90 ± 0.3	4.4	0.70 ± 0.3
J16	16.0	16.5 ± 0.5	17.0	19.0 max.	5.5	1.20 ± 0.3	6.7	0.70 ± 0.3
K16	18.0	16.5 ± 0.5	19.0	21.0 max.	6.7	1.20 ± 0.3	6.7	0.70 ± 0.3

*The dimensions of the vibration-proof products, please refer to the page of the mounting specification.

Dimensions (Vibration-proof products)

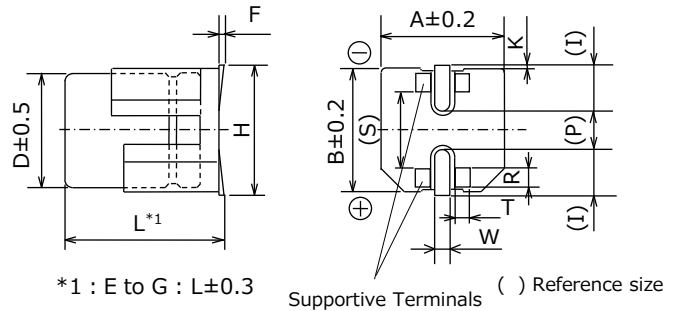
* The size and shape are different from standard products. Please inquire details of our company.

< Size code : D, D8 >



Supportive Terminals () Reference size

< Size code : E, F, G, H13, J16, K16, K21 >



*1 : E to G : L±0.3
H13 to K21 : L±0.5

Supportive Terminals () Reference size

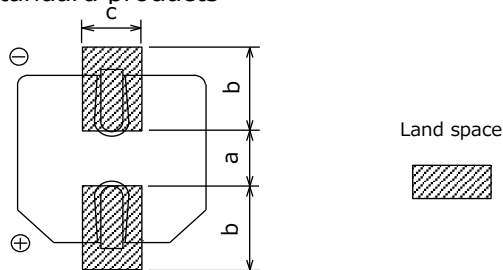
Unit : mm

Size code	φD	L	A, B	H max.	F	I	W	P	K	R	S	T
D	6.3	6.1	6.6	7.8	0 to +0.15	2.4	0.65±0.1	2.2	0.35 ^{+0.15} _{-0.20}	1.1±0.2	3.3	1.05±0.2
D8	6.3	8.0	6.6	7.8	0 to +0.15	2.4	0.65±0.1	2.2	0.35 ^{+0.15} _{-0.20}	1.1±0.2	3.3	1.05±0.2
E	8.0	6.5	8.3	9.5	0 to +0.15	3.4	0.7±0.1	2.2	0.35 ^{+0.15} _{-0.20}	0.70±0.2	5.3	1.7±0.2
F	8.0	10.5	8.3	10.0	0 to +0.15	3.4	1.2±0.2	3.1	0.70±0.2	0.70±0.2	5.3	1.3±0.2
G	10.0	10.5	10.3	12.0	0 to +0.15	3.5	1.2±0.2	4.6	0.70±0.2	0.70±0.2	6.9	1.3±0.2
H13	12.5	13.8	13.5	15.0	-0.1 to +0.15	4.7	1.2±0.2	4.4	0.70±0.3	2.2±0.2	7.1	2.4±0.2
J16	16.0	16.8	17.0	19.0	-0.1 to +0.15	5.5	1.4±0.2	6.7	0.70±0.3	3.0±0.2	9.0	1.9±0.2
K16	18.0	16.8	19.0	21.0	-0.1 to +0.15	6.7	1.4±0.2	6.7	0.70±0.3	3.0±0.2	11.0	1.9±0.2
K21	18.0	21.8	19.0	21.0	-0.1 to +0.15	6.7	1.4±0.2	6.7	0.70±0.3	3.0±0.2	11.0	1.9±0.2

Land / Pad pattern

The circuit board land/pad pattern size for chip capacitors is specified in the following table.
The land pitch influences installation strength and consider it.

● Standard products

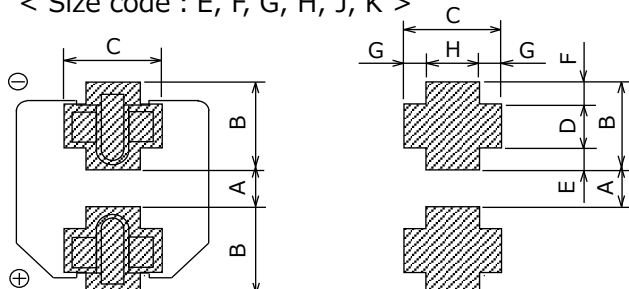


● Vibration-proof products

< Size code : D, D8 >



< Size code : E, F, G, H, J, K >



(Table of board land size vs. capacitor size)

Unit : mm

Size code	a	b	c
B (φ4)	1.0	2.5	1.6
C (φ5)	1.5	2.8	1.6
D (φ6.3)	1.8	3.2	1.6
D8 (φ6.3x7.7L)	1.8	3.2	1.6
E (φ8x6.2L)	2.2	4.0	1.6
F (φ8x10.2L)	3.1	4.0	2.0
G (φ10x10.2L)	4.6	4.1	2.0
H (φ12.5)	4.0	5.7	2.0
J (φ16)	6.0	6.5	2.5
K (φ18)	6.0	7.5	2.5

When size "a" is wide, back fillet can be made, decreasing fitting strength.

(Table of board land size vs. capacitor size)

Unit : mm

Size code	A	B	C	D	E	F	G	H
D (φ6.3xL6.1)	1.2	3.6	3.2	2.0	0.95	0.65	1.0	1.2
D8 (φ6.3xL8.0)	1.2	3.6	3.2	2.0	0.95	0.65	1.0	1.2
E (φ8x6.5L)	1.8	4.2	5.0	1.3	1.5	1.4	1.5	2.0
F (φ8x10.5L)	2.7	4.0	4.7	1.3	1.0	1.7	1.1	2.5
G (φ10)	3.9	4.4	4.7	1.3	1.2	1.9	1.1	2.5
H (φ12.5)	3.9	6.0	6.9	2.8	1.3	1.9	2.2	2.5
J (φ16)	5.8	6.8	6.2	3.6	1.3	1.9	1.7	2.8
K (φ18)	5.8	7.3	6.2	3.6	1.8	1.9	1.7	2.8

When size "A" is wide, back fillet can be made, decreasing fitting strength.

* Take mounting conditions, solderability and fitting strength into consideration when selecting parts for your company's design.

* The vibration-proof capacitors of size φ6.3 has support terminals extending from the bottom side to the lead edge. Then, make sure to find appropriate soldering conditions to form fillet on the support terminals if required for appearance inspection.

Characteristics list

Endurance : 105 °C 2000 h (≥ φ12.5 : 5000 h)

Rated voltage (V)	Capacitance (±20 %) (μF)	Case size (mm)			Size code*1	Specification			Part No.		Reflow	Min. Packaging Q'ty	
		φD	L			Ripple current *2 (mA rms)	Impe- dance*3 (Ω)	tan δ*4	Standard Product	Vibration-proof product		Taping (pcs)	
			Standard	Vibration -proof									
6.3	22	4.0	5.8	—	B	90	1.35	0.26	EEEFK0J220R	—	(1)	2000	
	47	4.0	5.8	—	(B)	90	1.35	0.26	EEEFK0J470UR	—	(1)	2000	
		5.0	5.8	—	C	160	0.70	0.26	EEEFK0J470R	—	(1)	1000	
	100	5.0	5.8	—	(C)	160	0.70	0.26	EEEFK0J101UR	—	(1)	1000	
		6.3	5.8	6.1	D	240	0.36	0.26	EEEFK0J101P	EEEFK0J101V	(1)	1000	
	220	6.3	5.8	6.1	D	240	0.36	0.26	EEEFK0J221P	EEEFK0J221V	(1)	1000	
	330	6.3	7.7	8.0	D8	280	0.34	0.26	EEEFK0J331XP	EEEFK0J331XV	(1)	900	
		8.0	6.2	6.5	E	300	0.26	0.26	EEEFK0J331P	EEEFK0J331V	(2)	1000	
	470	8.0	10.2	10.5	F	600	0.16	0.26	EEEFK0J471P	EEEFK0J471V	(2)	500	
	1000	8.0	10.2	10.5	F	600	0.16	0.26	EEEFK0J102P	EEEFK0J102V	(2)	500	
	1500	10.0	10.2	10.5	G	850	0.08	0.26	EEEFK0J152P	EEEFK0J152V	(2)	500	
10	3300	12.5	13.5	13.8	H13	1100	0.06	0.30	EEVFK0J332Q	EEVFK0J332V	(3)	200	
	6800	16.0	16.5	16.8	J16	1800	0.035	0.36	EEVFK0J682M	EEVFK0J682V	(3)	125	
	22	4.0	5.8	—	B	90	1.35	0.19	EEEFK1A220R	—	(1)	2000	
		4.0	5.8	—	(B)	90	1.35	0.19	EEEFK1A330UR	—	(1)	2000	
	33	5.0	5.8	—	C	160	0.70	0.19	EEEFK1A330R	—	(1)	1000	
		6.3	5.8	6.1	D	240	0.36	0.19	EEEFK1A151P	EEEFK1A151V	(1)	1000	
	220	6.3	7.7	8.0	D8	280	0.34	0.19	EEEFK1A221XP	EEEFK1A221XV	(1)	900	
		8.0	6.2	6.5	E	300	0.26	0.19	EEEFK1A221P	EEEFK1A221V	(2)	1000	
	330	8.0	10.2	10.5	F	600	0.16	0.19	EEEFK1A331P	EEEFK1A331V	(2)	500	
	470	8.0	10.2	10.5	F	600	0.16	0.19	EEEFK1A471P	EEEFK1A471V	(2)	500	
	680	8.0	10.2	10.5	F	600	0.16	0.19	EEEFK1A681P	EEEFK1A681V	(2)	500	
16	1000	10.0	10.2	10.5	G	850	0.08	0.19	EEEFK1A102P	EEEFK1A102V	(2)	500	
	2200	12.5	13.5	13.8	H13	1100	0.06	0.21	EEVFK1A222Q	EEVFK1A222V	(3)	200	
	4700	16.0	16.5	16.8	J16	1800	0.035	0.25	EEVFK1A472M	EEVFK1A472V	(3)	125	
	6800	18.0	16.5	16.8	K16	2060	0.033	0.29	EEVFK1A682M	EEVFK1A682V	(3)	125	
	10	4.0	5.8	—	B	90	1.35	0.16	EEEFK1C100R	—	(1)	2000	
		4.0	5.8	—	(B)	90	1.35	0.16	EEEFK1C220UR	—	(1)	2000	
	22	5.0	5.8	—	C	160	0.70	0.16	EEEFK1C220R	—	(1)	1000	
		5.0	5.8	—	(C)	160	0.70	0.16	EEEFK1C470UR	—	(1)	1000	
	47	6.3	5.8	6.1	D	240	0.36	0.16	EEEFK1C470P	EEEFK1C470V	(1)	1000	
		6.3	5.8	6.1	D	240	0.36	0.16	EEEFK1C680P	EEEFK1C680V	(1)	1000	
	25	100	6.3	5.8	6.1	D	240	0.36	0.16	EEEFK1C101P	EEEFK1C101V	(1)	1000
150		6.3	7.7	8.0	D8	280	0.34	0.16	EEEFK1C151XP	EEEFK1C151XV	(1)	900	
		6.3	7.7	8.0	D8	280	0.34	0.16	EEEFK1C221XP	EEEFK1C221XV	(1)	900	
220		8.0	6.2	6.5	E	300	0.26	0.16	EEEFK1C221P	EEEFK1C221V	(2)	1000	
		8.0	10.2	10.5	F	600	0.16	0.16	EEEFK1C331P	EEEFK1C331V	(2)	500	
470		8.0	10.2	10.5	F	600	0.16	0.16	EEEFK1C471P	EEEFK1C471V	(2)	500	
680		10.0	10.2	10.5	G	850	0.08	0.16	EEEFK1C681P	EEEFK1C681V	(2)	500	
1500		12.5	13.5	13.8	H13	1100	0.06	0.16	EEVFK1C152Q	EEVFK1C152V	(3)	200	
3300		16.0	16.5	16.8	J16	1800	0.035	0.20	EEVFK1C332M	EEVFK1C332V	(3)	125	
4700		18.0	16.5	16.8	K16	2060	0.033	0.22	EEVFK1C472M	EEVFK1C472V	(3)	125	
25		10	4.0	5.8	—	B	90	1.35	0.14	EEEFK1E100R	—	(1)	2000
		22	5.0	5.8	—	C	160	0.70	0.14	EEEFK1E220R	—	(1)	1000
	5.0		5.8	—	(C)	160	0.70	0.14	EEEFK1E330UR	—	(1)	1000	
	33	6.3	5.8	6.1	D	240	0.36	0.14	EEEFK1E330P	EEEFK1E330V	(1)	1000	
		6.3	5.8	6.1	D	240	0.36	0.14	EEEFK1E470P	EEEFK1E470V	(1)	1000	
	68	6.3	5.8	6.1	D	240	0.36	0.14	EEEFK1E680P	EEEFK1E680V	(1)	1000	
	100	6.3	7.7	8.0	D8	280	0.34	0.14	EEEFK1E101XP	EEEFK1E101XV	(1)	900	
		8.0	6.2	6.5	E	300	0.26	0.14	EEEFK1E101P	EEEFK1E101V	(2)	1000	
	150	8.0	10.2	10.5	F	600	0.16	0.14	EEEFK1E151P	EEEFK1E151V	(2)	500	
	220	8.0	10.2	10.5	F	600	0.16	0.14	EEEFK1E221P	EEEFK1E221V	(2)	500	
	330	8.0	10.2	10.5	F	600	0.16	0.14	EEEFK1E331P	EEEFK1E331V	(2)	500	
	470	10.0	10.2	10.5	G	850	0.08	0.14	EEEFK1E471P	EEEFK1E471V	(2)	500	
1000	12.5	13.5	13.8	H13	1100	0.06	0.14	EEVFK1E102Q	EEVFK1E102V	(3)	200		
1500	16.0	16.5	16.8	J16	1800	0.035	0.14	EEVFK1E152M	EEVFK1E152V	(3)	125		
2200	16.0	16.5	16.8	J16	1800	0.035	0.16	EEVFK1E222M	EEVFK1E222V	(3)	125		
3300	18.0	16.5	16.8	K16	2060	0.033	0.18	EEVFK1E332M	EEVFK1E332V	(3)	125		

*1: Size code (): Miniaturization product

*2: Ripple current (100 kHz / +105 °C)

*3: Impedance (100 kHz / +20 °C)

*4: tan δ (120 Hz / +20 °C)

• Please refer to the page of "Reflow Profile" and "The Taping Dimensions".

Characteristics list

Endurance : 105 °C 2000 h (≥ φ12.5 : 5000 h)

Rated voltage (V)	Capacitance (±20 %) (μF)	Case size (mm)			Size code*1	Specification			Part No.		Reflow	Min. Packaging Q'ty
		φD	L			Ripple current *2 (mA rms)	Impe- dance*3 (Ω)	tan δ*4	Standard Product	Vibration-proof product		Taping (pcs)
			Standard	Vibration -proof								
35	4.7	4.0	5.8	—	B	90	1.35	0.12	EEEFK1V4R7R	—	(1)	2000
	10	4.0	5.8	—	(B)	90	1.35	0.12	EEEFK1V100UR	—	(1)	2000
		5.0	5.8	—	C	160	0.70	0.12	EEEFK1V100R	—	(1)	1000
	22	5.0	5.8	—	C	160	0.70	0.12	EEEFK1V220R	—	(1)	1000
	33	6.3	5.8	6.1	D	240	0.36	0.12	EEEFK1V330P	EEEFK1V330V	(1)	1000
	47	6.3	5.8	6.1	D	240	0.36	0.12	EEEFK1V470P	EEEFK1V470V	(1)	1000
	68	6.3	7.7	8	D8	280	0.34	0.12	EEEFK1V680XP	EEEFK1V680XV	(1)	900
	100	6.3	7.7	8	D8	280	0.34	0.12	EEEFK1V101XP	EEEFK1V101XV	(1)	900
		8.0	10.2	10.5	F	600	0.16	0.12	EEEFK1V101P	EEEFK1V101V	(2)	500
	150	8.0	10.2	10.5	F	600	0.16	0.12	EEEFK1V151P	EEEFK1V151V	(2)	500
	220	8.0	10.2	10.5	F	600	0.16	0.12	EEEFK1V221P	EEEFK1V221V	(2)	500
	330	10.0	10.2	10.5	G	850	0.08	0.12	EEEFK1V331P	EEEFK1V331V	(2)	500
	470	12.5	13.5	13.8	H13	1100	0.06	0.12	EEVFK1V471Q	EEVFK1V471V	(3)	200
	680	12.5	13.5	13.8	H13	1100	0.06	0.12	EEVFK1V681Q	EEVFK1V681V	(3)	200
1000	16.0	16.5	16.8	J16	1800	0.035	0.12	EEVFK1V102M	EEVFK1V102V	(3)	125	
1500	16.0	16.5	16.8	J16	1800	0.035	0.12	EEVFK1V152M	EEVFK1V152V	(3)	125	
50	4.7	4.0	5.8	—	B	60	2.90	0.10	EEEFK1H4R7R	—	(1)	2000
	10	5.0	5.8	—	(C)	85	1.52	0.10	EEEFK1H100UR	—	(1)	1000
		6.3	5.8	6.1	D	165	0.88	0.10	EEEFK1H100P	EEEFK1H100V	(1)	1000
	22	6.3	5.8	6.1	D	165	0.88	0.10	EEEFK1H220P	EEEFK1H220V	(1)	1000
	33	6.3	7.7	8	D8	195	0.68	0.10	EEEFK1H330XP	EEEFK1H330XV	(1)	900
		8.0	6.2	6.5	E	195	0.68	0.10	EEEFK1H330P	EEEFK1H330V	(2)	1000
	47	6.3	7.7	8	D8	195	0.68	0.10	EEEFK1H470XP	EEEFK1H470XV	(1)	900
		8.0	6.2	6.5	E	195	0.68	0.10	EEEFK1H470P	EEEFK1H470V	(2)	1000
	100	8.0	10.2	10.5	F	350	0.34	0.10	EEEFK1H101P	EEEFK1H101V	(2)	500
	150	10.0	10.2	10.5	G	670	0.18	0.10	EEEFK1H151P	EEEFK1H151V	(2)	500
	220	10.0	10.2	10.5	G	670	0.18	0.10	EEEFK1H221P	EEEFK1H221V	(2)	500
	330	12.5	13.5	13.8	H13	900	0.12	0.10	EEVFK1H331Q	EEVFK1H331V	(3)	200
	390	12.5	13.5	13.8	H13	900	0.12	0.10	EEVFK1H391Q	EEVFK1H391V	(3)	200
	470	16.0	16.5	16.8	J16	1610	0.073	0.10	EEVFK1H471M	EEVFK1H471V	(3)	125
560	16.0	16.5	16.8	J16	1610	0.073	0.10	EEVFK1H561M	EEVFK1H561V	(3)	125	
680	16.0	16.5	16.8	J16	1610	0.073	0.10	EEVFK1H681M	EEVFK1H681V	(3)	125	
1000	16.0	16.5	16.8	J16	1610	0.073	0.10	EEVFK1H102M	EEVFK1H102V	(3)	125	
63	4.7	5.0	5.8	—	C	50	3.00	0.08	EEEFK1J4R7R	—	(1)	1000
	10	6.3	5.8	6.1	D	80	1.50	0.08	EEEFK1J100P	EEEFK1J100V	(1)	1000
	22	6.3	7.7	8	D8	120	1.20	0.08	EEEFK1J220XP	EEEFK1J220XV	(1)	900
		8.0	6.2	6.5	E	120	1.20	0.08	EEEFK1J220P	EEEFK1J220V	(2)	1000
	33	8.0	10.2	10.5	F	250	0.65	0.08	EEEFK1J330P	EEEFK1J330V	(2)	500
	47	8.0	10.2	10.5	F	250	0.65	0.08	EEEFK1J470P	EEEFK1J470V	(2)	500
	68	8.0	10.2	10.5	(F)	250	0.65	0.08	EEEFK1J680UP	EEEFK1J680UV	(2)	500
	100	10.0	10.2	10.5	G	400	0.35	0.08	EEEFK1J101P	EEEFK1J101V	(2)	500
	150	12.5	13.5	13.8	H13	800	0.16	0.08	EEVFK1J151Q	EEVFK1J151V	(3)	200
	220	12.5	13.5	13.8	H13	800	0.16	0.08	EEVFK1J221Q	EEVFK1J221V	(3)	200
470	16.0	16.5	16.8	J16	1410	0.082	0.08	EEVFK1J471M	EEVFK1J471V	(3)	125	
680	18.0	16.5	16.8	K16	1690	0.08	0.08	EEVFK1J681M	EEVFK1J681V	(3)	125	
80	3.3	5.0	5.8	—	C	25	5.00	0.08	EEEFK1K3R3R	—	(1)	1000
	4.7	6.3	5.8	6.1	D	40	3.00	0.08	EEEFK1K4R7P	EEEFK1K4R7V	(1)	1000
		6.3	7.7	8	D8	60	2.40	0.08	EEEFK1K100XP	EEEFK1K100XV	(1)	900
	10	8.0	6.2	6.5	E	60	2.40	0.08	EEEFK1K100P	EEEFK1K100V	(2)	1000
		8.0	10.2	10.5	F	130	1.30	0.08	EEEFK1K220P	EEEFK1K220V	(2)	500
	33	8.0	10.2	10.5	F	130	1.30	0.08	EEEFK1K330P	EEEFK1K330V	(2)	500
	47	10.0	10.2	10.5	G	200	0.70	0.08	EEEFK1K470P	EEEFK1K470V	(2)	500
	68	12.5	13.5	13.8	H13	500	0.32	0.08	EEVFK1K680Q	EEVFK1K680V	(3)	200
	100	12.5	13.5	13.8	H13	500	0.32	0.08	EEVFK1K101Q	EEVFK1K101V	(3)	200
	150	12.5	13.5	13.8	H13	500	0.32	0.08	EEVFK1K151Q	EEVFK1K151V	(3)	200
330	16.0	16.5	16.8	J16	793	0.17	0.08	EEVFK1K331M	EEVFK1K331V	(3)	125	
470	18.0	16.5	16.8	K16	917	0.153	0.08	EEVFK1K471M	EEVFK1K471V	(3)	125	

*1: Size code (): Miniaturization product

*2: Ripple current (100 kHz / +105 °C)

*3: Impedance (100 kHz / +20 °C)

*4: tan δ (120 Hz / +20 °C)

• Please refer to the page of "Reflow Profile" and "The Taping Dimensions".