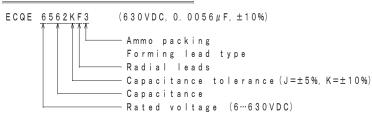
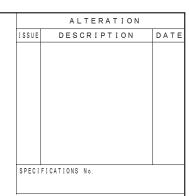
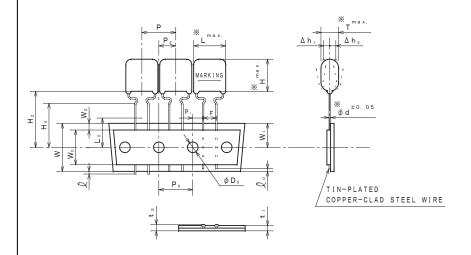
ITEM CODE	RATED	CAP.	DIMENSIONS			
I TEM CODE	VOLTAGE	(μF)	ж∟	* т	ж н	ж d
ECQE6562 () F3	630VDC	0.0056	12.0	4. 5	10.0	0. 6
" 6682 () F3	"	0.0068	"	4. 9	"	"
" 6822 () F3	"	0.0082	"	4. 5	"	"

↑ TOL. SYMBOL (J or K)

ITEM CODE NUMBER STRUCTURE







SYMBOL	ITEM	DIMENSION	REMARKS
Р	Pitch of component	12.7±1.0	Tilt of component and curvature of leads shall be included.
P _o	Feed hole pitch	12.7±0.2	
Ρ,	Feed hole center to lead	3.85±0.5	
P ₂	Hole center to comp. center		Tilt of component due to curvature of leads shall be included.
F	Lead-to-lead distance	5. 0 + 0 : 8	
∆ h 1, 2	Component alignment	0~2.0	Tilt of component due to curvature of leads shall be included.
W	Paper backing width	18.0±0.5	
W₀	Adhesive tape width	9. 5 m i n .	The hold down tape shall not protrude beyond the carrier tape.
W ₁	Hole position	9.0±0.5	
W ₂	Hold-down tape position	0~3.0	
H ₂	Component height	22.0±0.75	
H.	Lead-wire clinch height	16.0±0.5	
ŷ.	Lead-wire protrusion	0 m a x .	
1.	Lead-wire depression	7. 0 m a x .	
φ D.	Feed hole diameter	4.0±0.2	
t 1	Total tape thickness	0.7±0.2	Total thickness including the hold down tape.
t 2	Total thickness	1. 5 m a x .	
L。	Length of snipped lead	11. Omax.	

CONSTRUCTION

The capacitor is of non-inductive construction, wound with metallized polyester film dielectric.

The capacitor is enclosed in non-combustible epoxy resin and has two leads.

MARKING

Marking comprises capacitance, capacitance tolerance, rated voltage and date code.

PROPERTIES

Capacitance : See table at 1kHz Capacitance tolerance : $\pm 5\%$ (J), $\pm 10\%$ (K) at 1kHz

Rated voltage :630VDC (Derating of rated voltage by 1.25%/°C at more than 85°C)

Withstand voltage :630VDC×150% for 60s

Insulation resistance :≥9000MQ at 100VDC. 20°C for 60s

Dissipation factor :≦1.0% at 1kHz, 20°C Category temperature range :From -40°C to +105°C

(including temperature rise on unit surface)

DO NOT SCALE DRAWING

REVISIONS INDICATED BY Δ

ALL DIMENSIONS ARE IN MILLIMETERS

MARKING EXAMPLE

date code

5 6 2 K

630

CHECREFERENCE

ESTABLISHMENT Nov. 1. 2022

TYPE NAME

ECQE6***() F3

NAME Metallized Polyester

Film Capacitor

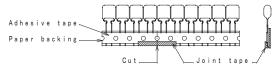
DRAWING NAME

PRODUCT DRAWING

DRAWING No.

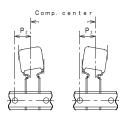
M004M-J-E (1/2)

- Note 1. No more than 3 consecutive missing is permitted.
- Note 2. A tape conjunction and a tape discrepancy specify as follows.



A tape sliding shall not exceed in an allowance of " $P_{\rm o}$ " dimension. A joint tape put on the back side of paper backing, and turn up the lower part to the front.

- Note 3. Marking on components may not be the same side.
- Note 4. The tape adhesion is more than 3.92N (400gf) / 25mm.
- Note 5. A tape trailer having at least 3 feed holes is required at the end of the tape.
- Note 6. 1) The P_1 and P_2 dimension shall be measured as shown in the figure after the adhesive tape placing upward. (measuring from the center of sprocket hole to the right.)
 - 2) The $P_{\rm z}$ dimension shall be measured between center of a vertical projection plane for tape plane and center of sprocket hole.

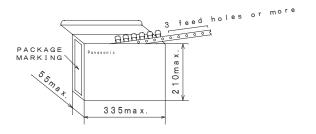


Note 7. The lead crimping shape shows as follows.



Packing specification

1. Case size Ammo pack



2. Packing quantity

Capacitance	Packing
range	quantity
0. 0056~0. 0082μF	1000

3. Handling notes

- 1) One package must be packed one product only.
- 2) The storage must be stacked 5 boxes or less (surface printed placing upward).

 (For prevention from displacement of capacitors and damage of lead crimping.)
- The packing box must be handled with care and never thrown out.

REFERENCE

TYPE NAME

ECQE6***() F3

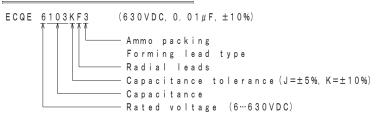
DRAWING No.

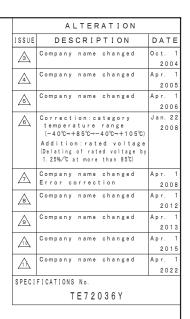
M004M-J-E (2/2)

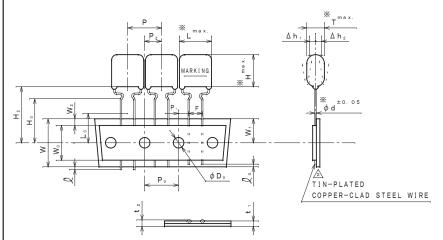
ITEM CODE	RATED	CAP.	DIMENSIONS				
ITEW CODE	VOLTAGE	(μF)	ж ∟	ж т	ж н	ж d	
ECQE6103 () F3	630VDC	0.01	12.0	4. 5	7. 5	0.6	
" 6123 () F3	"	0.012	"	"	7. 8	"	
" 6153 () F3	"	0.015	"	5. 0	8. 2	"	
" 6183 () F3	"	0.018	"	4. 9	10.0	"	
" 6223 () F3	"	0.022	"	5. 3	10.5	"	
" 6273 () F3	"	0.027	"	5. 5	10.9	"	
" 6333 () F3	"	0.033	"	6. 0	11. 9	"	

TOL. SYMBOL (J or K)

ITEM CODE NUMBER STRUCTURE







SYMBOL	ITEM	DIMENSION	REMARKS
Р	Pitch of component	12.7±1.0	Tilt of component and curvature of leads shall be included.
P _o	Feed hole pitch	12.7±0.2	
Ρ,	Feed hole center to lead	3.85±0.5	
P ₂	Hole center to comp. center	6.35±1.3	Tilt of component due to curvature of leads shall be included.
F	Lead-to-lead distance	5. 0 + 0 : 8	
∆ h _{1, 2}	Component alignment	0~2.0	Tilt of component due to curvature of leads shall be included.
W	Paper backing width	18.0±0.5	
W₀	Adhesive tape width	9.5min.	The hold down tape shall not protrude beyond the carrier tape.
W,	Hole position	9.0±0.5	
W ₂	Hold-down tape position	0~3.0	
H ₂	Component height	22.0±0.75	
H.	Lead-wire clinch height	16.0±0.5	
Ŷ	Lead-wire protrusion	0 m a x .	
ŷ .	Lead-wire depression	7. 0 m a x.	
φ D.	Feed hole diameter	4.0±0.2	
t ı	Total tape thickness	0.7±0.2	Total thickness including the hold down tape.
t 2	Total thickness	1. 5 m a x .	
L.	Length of snipped lead	11. Omax.	

CONSTRUCTION

The capacitor is of non-inductive construction, wound with metallized polyester film dielectric.

The capacitor is enclosed in non-combustible epoxy resin and has two leads.

MARKING

Marking comprises capacitance, capacitance tolerance, rated voltage and date code.

PROPERTIES

Capacitance : See table at 1kHz
Capacitance tolerance :±5% (J), ±10% (K) at 1kHz

Rated voltage :630VDC ♠♦ (Derating of rated voltage by 1.25%/℃ at more than 85℃)

Withstand voltage :630VDC×150% for 60s

Insulation resistance :≥9000MQ at 100VDC. 20°C for 60s

Dissipation factor :≦1.0% at 1kHz, 20°C Category temperature range :☆ From -40°C to +105°C

(including temperature rise on unit surface)

DO NOT SCALE DRAWING REVISIONS INDICATED BY Δ

ALL DIMENSIONS ARE IN MILLIMETERS

MARKING EXAMPLE

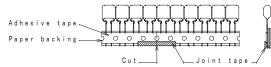
1 0 3 K 6 3 0 date code DESTENDANT
CHECREFERIT OLD
APPROVAL
T. KATO
ESTABLISHMENT Apr. 27. 1987
TYPE NAME
ECQE6***() F3

NAME Metallized Polyester
Film Capacitor

DRAWING NAME
PRODUCT DRAWING

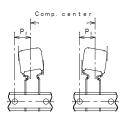
DRAWING No.
CT-H-C019 (1/2)

- Note 1. No more than 3 consecutive missing is permitted.
- Note 2. A tape conjunction and a tape discrepancy specify as follows.



A tape sliding shall not exceed in an allowance of " P_0 " dimension. A joint tape put on the back side of paper backing, and turn up the lower part to the front.

- Note 3. Marking on components may not be the same side.
- Note 4. The tape adhesion is more than 3.92N (400gf) / 25mm.
- Note 5. A tape trailer having at least 3 feed holes is required at the end of
- Note 6. 1) The P_1 and P_2 dimension shall be measured as shown in the figure after the adhesive tape placing upward. (measuring from the center of sprocket hole to the right.)
 - 2) The P_2 dimension shall be measured between center of a vertical projection plane for tape plane and center of sprocket hole.

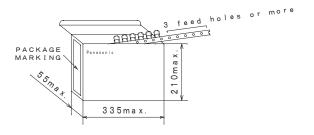


Note 7. The lead crimping shape shows as follows.



Packing specification

1. Case size Ammo pack



2. Packing quantity

Capacitance	Packing
range	quantity
0. 01~0. 027μF	1000
0. 033μF	500

3. Handling notes

- 1) One package must be packed one product only.
- 2) The storage must be stacked 5 boxes or less (surface printed placing upward). (For prevention from displacement of capacitors and damage of lead crimping.)
- 3) The packing box must be handled with care and never thrown out.

TYPE NAME

ECQE6***() F3

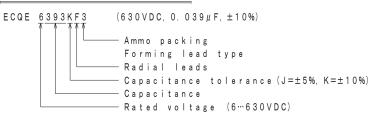
DRAWING No.

CT-H-C019 (2/2)

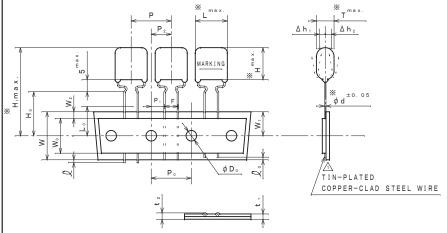
ITEM CODE	RATED	CAP.	DIMENSIONS				
TIEW CODE	VOLTAGE	(μF)	ж∟	ж т	ж н	ж d	ЖН₁
ECQE6393 () F3	630VDC	0.039	12.0	6. 0	13.4	0.6	34.9
" 6473 () F3	"	0.047	"	6. 5	13.5	"	35.0

TOL. SYMBOL (J or K)

ITEM CODE NUMBER STRUCTURE



	ALTERATION	
ISSUE	DESCRIPTION	DATE
2	Company name changed	0 c t . 1 2 0 0 4
3	Company name changed	Apr. 1 2005
4	Company name changed	Apr. 1 2006
<u>\$</u>	Correction: category temperature range (-40°c+185°c-40°c+105°c) Addition: rated voltage (Delating of rated voltage by 1.25%/C at more than 85°C)	Jan. 22 2008
6	Company name changed Error correction	Apr. 1 2008
\triangle	Company name changed	Apr. 1 2012
8	Company name changed	Apr. 1 2013
<u>/9</u>	Company name changed	Apr. 1 2015
\triangle	Company name changed	Apr. 1 2022
SPECI	FICATIONS No.	



P	Pitch of component		
		15.0±1.0	Tilt of component and curvature of leads shall be included.
P ₀	Feed hole pitch	15.0±0.2	
Ρ,	Feed hole center to lead	5.0±0.5	
P ₂	Hole center to comp. center	7.5±1.3	Tilt of component due to curvature of leads shall be included.
F	Lead-to-lead distance	5. 0 + 0 : 8	
∆ h _{1,2}	Component alignment	0~2.0	Tilt of component due to curvature of leads shall be included.
W	Paper backing width	18.0±0.5	
W₀	Adhesive tape width	9.5min.	The hold down tape shall not protrude beyond the carrier tape.
W ₁	Hole position	9.0±0.5	
W ₂	Hold-down tape position	0~3.0	
H.	Lead-wire clinch height	16.0±0.5	
ý	Lead-wire protrusion	0 m a x .	
Ý o	Lead-wire depression	7. 0 m a x .	
φD。	Feed hole diameter	4.0±0.2	
t ₁	Total tape thickness	0.7±0.2	Total thickness including the hold down tape.
t 2	Total thickness	1. 5 m a x .	
L。	Length of snipped lead	11. Omax.	

date code

MARKING EXAMPLE

4 7 3 K

630

CONSTRUCTION

The capacitor is of non-inductive construction, wound with metallized polyester film dielectric.

The capacitor is enclosed in non-combustible epoxy resin and has two leads.

MARKING

Marking comprises capacitance, capacitance tolerance, rated voltage and date code.

PROPERTIES

Capacitance : See table at 1kHz Capacitance tolerance : $\pm 5\%$ (J), $\pm 10\%$ (K) at 1kHz

Rated voltage :630VDC (Derating of rated voltage by 1.25%/°C at more than 85°C)

Withstand voltage :630VDC×150% for 60s

Insulation resistance :≥9000MQ at 100VDC. 20°C for 60s

Dissipation factor : \leq 1.0% at 1kHz, 20% Category temperature range : $\oint_{\mathbb{C}}$ From -40% to +105%

(including temperature rise on unit surface)

DO NOT SCALE DRAWING

REVISIONS INDICATED BY Δ

ALL DIMENSIONS ARE IN MILLIMETERS

CHECREFERENCE APPROVAL T. KATO

ESTABLISHMENT Apr. 28. 1994
TYPE NAME

ECQE6***() F3

NAME Metallized Polyester

Film Capacitor

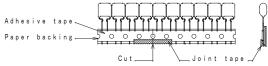
DRAWING NAME

PRODUCT DRAWING

DRAWING No.

CT-H-415E (1/2)

- Note 1. No more than 3 consecutive missing is permitted.
- Note 2. A tape conjunction and a tape discrepancy specify as follows.

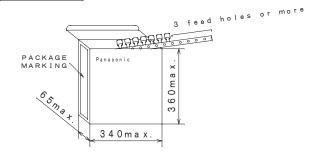


A tape sliding shall not exceed in an allowance of "Po" dimension. A joint tape put on the back side of paper backing, and turn up the lower part to the front.

- Note 3. Marking on components may not be the same side.
- Note 4. The tape adhesion is more than 3.92N(400gf)/25mm.
- Note 5. A tape trailer having at least 3 feed holes is required at the end of the tape.

Packing specification

1. Case size Ammo pack



2. Packing quantity

Capacitance	Packing
range	quantity
0. 039, 0. 047μF	1000

3. Handling notes

- 1) One package must be packed one product only.
- 2) The storage must be stacked 5 boxes or less (surface printed placing upward). (For prevention from displacement of capacitors and damage of lead crimping.)
- 3) The packing box must be handled with care and never thrown out.

TYPE NAME

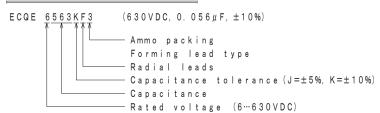
ECQE6***() F3

DRAWING No.

CT-H-415E (2/2)

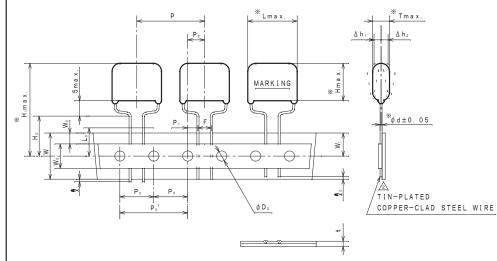
ITEM CODE	RATED	CAP.		DIM	MENSI	ONS	
TIEM CODE	VOLTAGE	(μF)	ж L	ж т	* н	ж d	ж н,
ECQE6563 () F3	630VDC	0.056	18.5	5. 4	10.5	0.6	32.0
" 6683 () F3	"	0.068	"	5. 8	11.0	"	32.5
" 6823 () F3	"	0.082	"	6. 5	12.0	"	33.5
" 6104 () F3	"	0. 1	"	6. 3	14.0	"	35.5
" 6124 () F3	"	0.12	"	"	14.5	0.8	36.0
" 6154 () F3	"	0. 15	"	7. 5	15.4	"	36.9
" 6184 () F3	"	0. 18	"	8. 0	16.0	"	37.5
" 6224 () F3	"	0.22	"	9. 0	16.5	"	38.0

ITEM CODE NUMBER STRUCTURE



	ALTERATION	
ISSUE	DESCRIPTION	DATE
4	Company name changed	Apr. 1 2005
<u></u>	Company name changed	Apr. 1 2006
<u>6</u>	Correction: category temperature range $(-4.0^{\circ}\text{C} \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \!$	Jan. 22 2008
<u>^</u>	Company name changed Error correction	Apr. 1 2008
8	Company name changed	Apr. 1 2012
<u></u>	Company name changed	Apr. 1 2013
<u>/104</u>	Company name changed	Apr. 1 2015
<u></u>	Company name changed	Apr. 1 2022
SPECI	FICATIONS No.	
	T E B 8 2 5 3 H	

TEB8253H



SYMBOL	ITEM	DIMENSION	REMARKS
Р	Pitch of component	25.4±1.0	Tilt of component and curvature of leads shall be included.
P _o	Feed hole pitch	12.7±0.2	
P.'	II .	25.4±0.2	
Ρ,	Feed hole center to lead	3.85±0.5	
P ₂	Hole center to comp. center	6.35±1.3	Tilt of component due to curvature of leads shall be included.
F	Lead-to-lead distance	5. 0 + 0 : 8	
∆ h 1, 2	Component alignment	0~2.0	Tilt of component due to curvature of leads shall be included.
W	Paper backing width	18.0±0.5	
W _o	Adhesive tape width	12.5min.	The hold down tape shall not protrude beyond the carrier tape.
W,	Hole position	9.0±0.5	
W ₂	Hold-down tape position	0~3.0	
H.	Lead-wire clinch height	16.0±0.5	
Ŷ.	Lead-wire protrusion	0 m a x .	
Ŷ ·	Lead-wire depression	7. 0 m a x.	
φD。	Feed hole diameter	4. 0 ± 0. 2	
t	Total tape thickness	0.7±0.2	Total thickness including the hold down tape.
Lo	Length of snipped lead	11. 0 max.	

CONSTRUCTION

The capacitor is of non-inductive construction, wound with metallized polyester film dielectric.

The capacitor is enclosed in non-combustible epoxy resin and has two leads.

MARKING

Marking comprises capacitance, capacitance tolerance, rated voltage, manufacturer's trademark and date code.

PROPERTIES

Capacitance :See table at 1kHz

Capacitance tolerance : ±5% (J), ±10% (K) at 1kHz

:630VDC \bigcirc (Derating of rated voltage by 1.25%/ \bigcirc at more than 85 \bigcirc) Rated voltage

:630VDC×150% for 60s Withstand voltage

:≧9000MΩ at 100VDC. 20°C for 60s Insulation resistance

: ≦1.0% at 1kHz, 20°C Dissipation factor Category temperature range : <u>∕6</u> From −40°C to +105°C

(including temperature rise on unit surface)

DO NOT SCALE DRAWING REVISIONS INDICATED BY Δ ALL DIMENSIONS ARE IN MILLIMETERS

MARKING EXAMPLE

date code

(∑) 5 6 3 K

630



ESTABLISHMENT Apr. 28. 1994

TYPE NAME

ECQE6***() F3

NAME Metallized Polyester

Film Capacitor

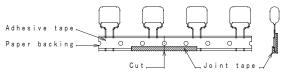
DRAWING NAME

PRODUCT DRAWING

DRAWING No.

CT-H-416E (1/2)

- Note 1. No more than 2 consecutive missing is permitted.
- Note 2. A tape conjunction and a tape discrepancy specify as follows.

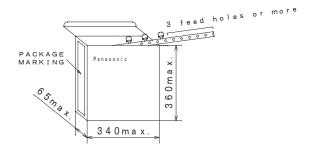


A tape sliding shall not exceed in an allowance of "Po" dimension. A joint tape put on the back side of paper backing, and turn up the lower part to the front.

- Note 3. Marking on components may not be the same side.
- Note 4. The tape adhesion is more than 3.92N(400gf)/25mm.
- Note 5. A tape trailer having at least 3 feed holes is required at the end of the tape.

Packing specification

1. Case size Ammo pack



2. Packing quantity

Capacitance	Packing
range	quantity
0. 056~0. 18μF	500
0. 22μF	400

3. Handling notes

- 1) One package must be packed one product only.
- 2) The storage must be stacked 5 boxes or less (surface printed placing upward). (For prevention from displacement of capacitors and damage of lead crimping.)
- 3) The packing box must be handled with care and never thrown out.

TYPE NAME

ECQE6***() F3

DRAWING No.

CT-H-416E (2/2)