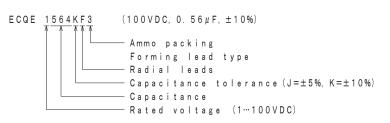
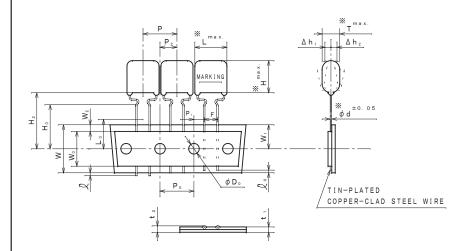
ITEM CODE	RATED	CAP.		DIMEN	SIONS	
TIEW CODE	VOLTAGE	(µF)	* ∟	Ж Т	Ж Н	Ж d
ECQE1564 () F3	100VDC	0.56	12.0	5. 5	10.9	0. 6
" 1684 () F3	"	0.68	"	6. 0	11. 9	"

[↑]—TOL. SYMBOL (J or K)

ITEM CODE NUMBER STRUCTURE



ALTERATION	T				
DESCRIPTION	DATE				
Company name changed	Apr. 1				
	2006				
Correction:category	Jan. 22				
temperature range (-40°C~+85°C→-40°C~+105°C)	2008				
Addition:rated voltage					
(Delating of rated voltage by					
I. 25% / C at more than 85°C)					
Company name changed	Apr. 1				
Error correction	2008				
Company name changed	Apr. 1				
	2012				
Company name changed	Apr. 1				
	2013				
Company name changed	Apr. 1				
	2015				
Company name changed	Apr. 1				
	2022				
SPECIFICATIONS No.					
TEB7175H					
	DESCRIPTION Company name changed Correction: category temperature range (-40°C+85°C-40°C+105°C) Addition: rated voltage by 1.25%/C at more than 85°C) Company name changed Error correction Company name changed Company name changed Company name changed				



SYMBOL	ITEM	DIMENSION	REMARKS
P	Pitch of component	12.7±1.0	Tilt of component and curvature of leads shall be included.
P.	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	
W _o	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 ₂	Component height	22.0±0.75	
H.	Lead-wire clinch height	16.0±0.5	
Ŷ.	Lead-wire protrusion	0 m a x .	
١.	Lead-wire depression	7. 0 m a x.	
φ D ₀	Feed hole diameter	4.0±0.2	
t,	Total tape thickness	0.7±0.2	Total thickness including the hold down tape.
t 2	Total thickness	1. 5 m a x.	
Lo	Length of snipped lead	11. 0 max.	

CONSTRUCTION

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

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

:100VDC $2\sqrt{3}$ (Derating of rated voltage by 1, 25%/ $^{\circ}$ C at more than 85 $^{\circ}$ C) Rated voltage

Withstand voltage :100VDC×150% for 60s

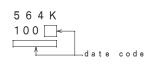
Insulation resistance : ≥ 3000M $\Omega \cdot \mu$ F at 100VDC. 20 $^{\circ}$ C for 60s

Dissipation factor $: \le 1.0\%$ at $1 \text{ kHz}, 20^{\circ}\text{C}$: ∕2\ From -40°C to +105°C Category temperature range

(including temperature rise on unit surface)

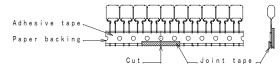
DO NOT SCALE DRAWING REVISIONS INDICATED BY Δ ALL DIMENSIONS ARE IN MILLIMETERS

MARKING EXAMPLE



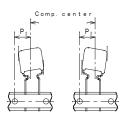
ESTABLISHMENT Dec. 5. 2005 TYPE NAME ECQE1***() F3 NAME Metallized Polyester Film Capacitor DRAWING NAME PRODUCT DRAWING DRAWING No. 5086M-J-E (1/2)

- 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_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 the tape.
- Note 6. 1) The P₁ and P₂ 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.

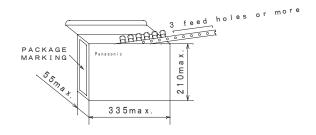


Note 7. The lead crimping shape shows as follows.



Packing specification

1. Case size Ammo pack



2. Packing quantity

Capacitance	Packing
range	quantity
0. 56~0. 68μF	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

ECQE1***() F3

DRAWING No.

5086M-J-E (2/2)

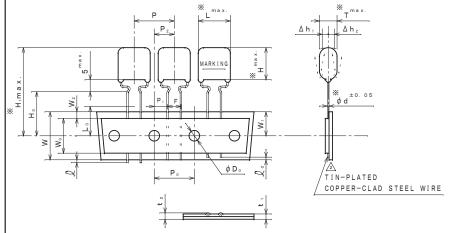
ITEM CODE	RATED	CAP.		DIM	MENSIC	DNS	
TIEW CODE	VOLTAGE	(μF)	ж∟	ж т	ж н	ж d	ЖН,
ECQE1824 () F3	100VDC	0.82	12.0	6. 0	13.5	0.6	35.0
" 1105 () F3	"	1. 0	"	6. 7	14.0	"	35.5

TOL. SYMBOL (J or K)

ITEM CODE NUMBER STRUCTURE



	ALTERATION						
ISSUE	DESCRIPTION	DATE					
3	Company name changed	0 c t . 1 2 0 0 4					
4	Company name changed	Apr. 1 2005					
<u>\$</u>	Company name changed	Apr. 1 2006					
6	Correction: category temperature range (-40°C~+85°C→-40°C~+105°C) Addition: rated voltage by (Delating of rated voltage by	Jan. 22 2008					
À	1.25%/°C at more than 85°C) Company name changed Error correction	Apr. 1 2008					
8	Company name changed	Apr. 1 2012					
9	Company name changed	Apr. 1 2013					
10	Company name changed	Apr. 1 2015					
<u></u>	Company name changed	Apr. 1 2022					
SPEC	SPECIFICATIONS No. TEB7176H						



SYMBOL	ITEM	DIMENSION	REMARKS
Р	Pitch of component	15.0±1.0	Tilt of component and curvature of leads shall be included.
P _o	Feed hole pitch	15.0±0.2	
P ₁	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,	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 .	
٥ و	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 .	
Lo	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 $: \pm 5\% (J), \pm 10\% (K)$ at 1 k H zCapacitance tolerance

Rated voltage :100VDC 6 /2 (Derating of rated voltage by 1.25%/°C at more than 85°C)

Withstand voltage :100VDC×150% for 60s

Insulation resistance :≧3000MΩ·μF at 100VDC. 20°C for 60s

Dissipation factor $: \le 1.0\%$ at $1 \text{ kHz}, 20^{\circ}\text{C}$ Category temperature range : ∕6\ 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

8 2 4 K

100

ESTABLISHMENT Mar. 20. 1991

TYPE NAME

ECQE1***() F3

NAME Metallized Polyester

Film Capacitor

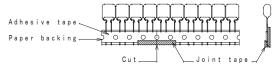
DRAWING NAME

PRODUCT DRAWING

DRAWING No.

CT-H-112E (1/2)

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

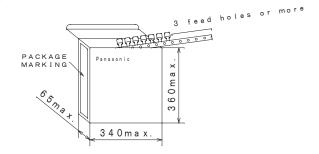


A tape sliding shall not exceed in an allowance of "Po" dimension. A joint tape put on the back side of paper backing, and turn up the lower part to the front.

- 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
0.82, 1.0μF	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

ECQE1***() F3

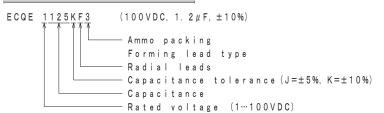
DRAWING No.

CT-H-112E (2/2)

ITEM CODE	RATED	CAP.		DIN	/ENSI	SNC	
TIEM CODE	VOLTAGE	(μF)	ж L	ж т	Ж Н	ж d	ж н,
ECQE1125 () F3	100VDC	1. 2	18.5	5. 5	12.8	0.6	34.3
" 1155 () F3	"	1. 5	"	6. 0	13.4	0.8	34.9
" 1185 () F3	"	1. 8	"	6. 5	14.4	"	35.9
" 1225 () F3	"	2. 2	"	7. 0	15.0	"	36.5
" 1275 () F3	"	2. 7	"	8. 0	15.8	"	37. 3
" 1335 () F3	"	3. 3	"	8. 5	16.5	"	38.0

TOL. SYMBOL (J or K)

ITEM CODE NUMBER STRUCTURE



	ALTERATION			
ISSUE	DESCRIPTION	DATE		
4	Company name changed	Apr. 1 2005		
<u>/</u> 5	Company name changed	Apr. 1 2006		
6	Correction: category temperature range $(-4.0^\circ\text{C} + 8.5^\circ\text{C} - 4.0^\circ\text{C} + 10.5^\circ\text{C})$ Addition: rated voltage (Delating of rated voltage by 1.25%/ $^\circ$ at more than 8.5°C)	Jan. 22 2008		
<i>></i>	Company name changed Error correction	Apr. 1 2008		
8	Company name changed	Apr. 1 2012		
9	Company name changed	Apr. 1 2013		
10	Company name changed	Apr. 1 2015		
<u> </u>	Company name changed	Apr. 1 2022		
SPECIFICATIONS No.				
T E B 7 1 7 7 H				

** H.ma x.	P	*Lmax. MARKING	A h : X M X X M X X M X X M X X M X X M X X M X X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X M X	*Tmax. Ahz ** ## ## ## ## ## ## ## ## #	STEEL WIRE
		<u> </u>	+		

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 _o '	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	
W₀	Adhesive tape width	12. 5 m i n.	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	
ý	Lead-wire protrusion	0 m a x .	
Ý °	Lead-wire depression	7. 0 m a x.	
φ D.	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

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 $:\pm 5\%$ (J), $\pm 1.0\%$ (K) at 1 kHz Rated voltage by 1. 25%/ $^{\circ}$ C at more than 85°C)

Withstand voltage :100VDC×150% for 60s

Insulation resistance :≥3000MQ·μF at 100VDC. 20°C for 60s

Dissipation factor $: \leqq 1.0\% \text{ at } 1 \text{kHz}, 20\% \\ \text{Category temperature range} : \cancel{\nwarrow} \text{From } -40\% \text{ to } +105\%$

(including temperature rise on unit surface)

DO NOT SCALE DRAWING

REVISIONS INDICATED BY Δ

ALL DIMENSIONS ARE IN MILLIMETERS

MARKING EXAMPLE

date code

(∑) 1 2 5 K

100



ESTABLISHMENT Mar. 20. 1991

TYPE NAME

ECQE1***() F3

NAME Metallized Polyester

Film Capacitor

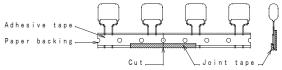
DRAWING NAME

PRODUCT DRAWING

DRAWING No.

CT-H-113E (1/2)

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

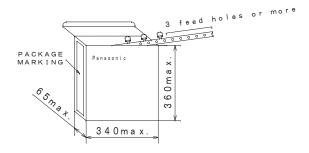


A tape sliding shall not exceed in an allowance of "Po" dimension. A joint tape put on the back side of paper backing, and turn up the lower part to the front.

- 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
1. 2~2. 7 μ F	500
3. 3 μ F	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

ECQE1***() F3

DRAWING No.

CT-H-113E (2/2)