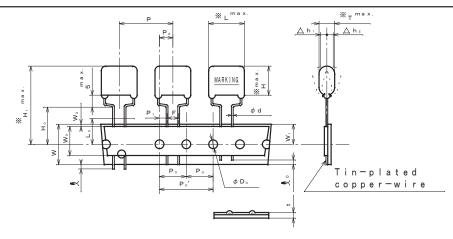
THIRD ANGLE PROJECTION

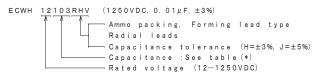
	. F.M. 00DE	CAPACITANCE		DIMENSIONS			
ITEM CODE		μF	(*)	₩ L	Ж Т	Ж Н	※ Η₁
ECWH	12362R()V	0.0036	(362)	18.0	6.0	12.5	34.5
"	12392R () V	0.0039	(392)	"	"	"	"
"	12432R()V	0.0043	(432)	"	"	13.0	35. 0
"	12472R()V	0.0047	(472)	"	"	"	"
"	12512R () V	0.0051	(512)	"	6.5	"	"
11	12562R () V	0.0056	(562)	"	"	13.5	35. 5
"	12622R () V	0.0062	(622)	"	"	"	"
"	12682R () V	0.0068	(682)	"	7. 0	"	"
"	12752R()V	0.0075	(752)	"	"	14.0	36. 0
//	12822R () V	0.0082	(822)	"	7. 5	"	"
"	12912R () V	0.0091	(912)	"	"	14.5	36. 5
"	12103R () V	0.01	(103)	"	8. 0	15.0	37. (
"	12113R () V	0.011	(113)	"	8. 5	"	"
//	12123R () V	0.012	(123)	"	"	15.5	37. 5
"	12133R () V	0.013	(133)	"	9.0	"	"
"	12153R()V	0.015	(153)	"	9.5	16.0	38. 0
"	12163R()V	0.016	(163)	23.0	7. 5	"	"
"	12183R () V	0.018	(183)	"	"	"	"
"	12203R () V	0.02	(203)	"	8. 0	16.5	38. 5
"	12223R () V	0.022	(223)	"	8. 5	"	"
"	12243R () V	0.024	(243)	"	"	17.0	39. (
"	12273R () V	0.027	(273)	"	9.0	17.5	39. 5
11	12303R () V	0.03	(303)	"	9.5	18.0	40. (
"	12333R () V	0.033	(333)	"	10.0	18.5	40. 5
"	12363R () V	0.036	(363)	"	"	19.0	41. (
"	12393R () V	0.039	(393)	"	10.5	19.5	41. 5
"	12433R () V	0.043	(433)	"	11.0	20.0	42. (
"	12473R()V	0.047	(473)	"	11.5	20.5	42. 5
"	12513R () V	0.051	(513)	"	12.0	21.0	43. (



SYMBOL	ITEM	VALUE	TOLERANCE	REMARKS
Р	Pitch of component	30.0	±1.0	Tilt of component and curvature of leads shall be included.
P.'	Feed hole pitch	30.0	±0.2	
P ₀	Feed hole pitch	15.0	±0.2	
Ρ,	Feed hole center to lead	3.75	±0.5	
P 2	Hole center to comp. center	7. 5	±1.3	Tilt of component due to curvature of leads shall be included.
φd	Lead-wire diameter	0.8	±0.05	
F	Lead-to-lead distance	7. 5	±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	12.5	min.	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		
Н₀	Lead-wire clinch height	16.0	+1.0	
Q.	Lead wire protrusion	0	max.	
Qг	Lead wire depression	7. 0	max.	
φD ₀	Feed hole diameter	4. 0	±0.2	
t	Total tape thickness	0. 7	±0.2	
Lo	Length of snipped lead	11.0	max.	

ALTERATION					
ISSUE	DESCRIPTION	DATE			
1	Company name changed	Apr. 1 2012			
2	Company name changed	Apr. 1 2013			
<u>3</u>	Company name changed	Apr. 1 2015			
4	Company name changed	Apr. 1 2022			
SPECIFICATIONS No.					

ITEM CODE NUMBER STRUCTURE



CONSTRUCTION

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

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

Marking comprises capacitance, capacitance tolerance, rated voltage, manufacturer's trademark and type name "WHV" and manufacturer's date code.

PROPERTIES

Capacitance : See table at 1kHz

Capacitance tolerance : ±3% (H), ±5% (J)

Rated voltage : 1250VDC (Derating of rated voltage by 1.25%/ $^{\circ}$ C at more than 85 $^{\circ}$ C)

Withstand voltage

(terminal-terminal) : DC Rated voltage × 150% for 60s

: 1500VAC for 60s (terminal-enclosure)

: 30,000M Ω or more, at 500VDC, 20 $^{\circ}$ C for 60s Insulation resistance Dissipation factor : 0.1% or less at 1kHz, 0.2% or less at 10kHz

Category temperature range : From $-40\,^{\circ}\!\text{C}$ to $+105\,^{\circ}\!\text{C}$

(including temperature rise on unit surface)

ESTABLISHMENT Mar. 18. 2010 TYPE NAME

ECWH 12***R() V

NAME METALLIZED

POLYPROPYLENE CAPACITOR DRAWING NAME

PRODUCT DRAWING

(example)

WHV 103 H

(M)1. 25kVDC

date code

DRAWING No.

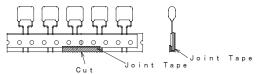
0.025J-J-E(1/2)

Film Capacitor Business Unit Device Solutions Business Division Panasonic Industry Co., Ltd.

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

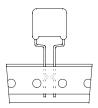
THIRD ANGLE PROJECTION

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



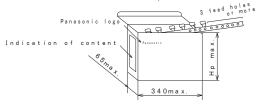
A tape sliding shall not exceed in an allowance of P_0 dimension. A joint tape put on the back side of paper backing, and turn up the lower part to the front.

- Note 3. A tape trailer having at least 3 feed holes is required at the end of the tape.
- Note 4. Marking on components may not be the same side.
- Note 5. The tape adhesion is more than 3.92N(400gf)/25mm.
- Note 6. The lead clinch at the tape, shows as follows.



Packing specification

1. Case size (Ammo pack)



2. Packaging quantity

Quantity (pcs.)	Ηр
500	360
400	"
500	"
400	"
300	"
11	410
	(pcs.) 500 400 500 400 300

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

ECWH 12***R() V

DRAWING No.

0.025J-J-E(2/2)

Film Capacitor Business Unit Device Solutions Business Division Panasonic Industry Co., Ltd.