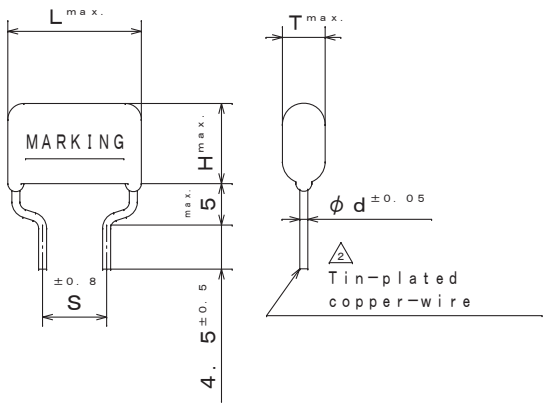
THIRD ANGLE PROJECTION

ITEM CODE	CAPACITANCE μF	(*)	DIMENSIONS L	T	H	S	d
ECWH 20102 () VB	0.001	(102)	18.0	6.5	13.5	10.0	0.8
〃 20112 () VB	0.0011	(112)	〃	〃	〃	〃	〃
〃 20122 () VB	0.0012	(122)	〃	7.0	〃	〃	〃
〃 20132 () VB	0.0013	(132)	〃	〃	14.0	〃	〃
〃 20152 () VB	0.0015	(152)	〃	7.5	〃	〃	〃
〃 20162 () VB	0.0016	(162)	〃	〃	14.5	〃	〃
〃 20182 () VB	0.0018	(182)	〃	8.0	〃	〃	〃
〃 20202 () VB	0.002	(202)	〃	〃	15.0	〃	〃
〃 20222 () VB	0.0022	(222)	〃	8.5	〃	〃	〃
〃 20242 () VB	0.0024	(242)	〃	〃	15.5	〃	〃
〃 20272 () VB	0.0027	(272)	〃	9.0	16.0	〃	〃
〃 20302 () VB	0.003	(302)	〃	9.5	〃	〃	〃
〃 20332 () VB	0.0033	(332)	〃	8.5	15.5	〃	〃
〃 20362 () VB	0.0036	(362)	〃	9.0	〃	〃	〃
〃 20392 () VB	0.0039	(392)	〃	〃	16.0	〃	〃
△3 〃 20412 () VB	0.0041	(412)	〃	〃	〃	〃	〃
〃 20432 () VB	0.0043	(432)	〃	9.5	〃	〃	〃
〃 20472 () VB	0.0047	(472)	23.0	7.0	15.5	15.0	〃
〃 20512 () VB	0.0051	(512)	〃	7.5	16.0	〃	〃
〃 20562 () VB	0.0056	(562)	〃	〃	〃	〃	〃
〃 20622 () VB	0.0062	(622)	〃	8.0	16.5	〃	〃
〃 20682 () VB	0.0068	(682)	〃	8.5	〃	〃	〃
〃 20722 () VB	0.0072	(722)	〃	〃	17.0	〃	〃
〃 20752 () VB	0.0075	(752)	〃	9.5	18.0	〃	〃
〃 20822 () VB	0.0082	(822)	〃	10.0	〃	〃	〃
〃 20912 () VB	0.0091	(912)	〃	〃	19.0	〃	〃
〃 20103 () VB	0.01	(103)	〃	10.5	19.5	〃	〃
〃 20113 () VB	0.011	(113)	〃	11.0	20.0	〃	〃
〃 20123 () VB	0.012	(123)	〃	11.5	20.5	〃	〃
〃 20133 () VB	0.013	(133)	〃	12.0	21.0	〃	〃
〃 20153 () VB	0.015	(153)	〃	〃	21.5	〃	〃



ITEM CODE NUMBER STRUCTURE

ECWH 20102HVB (2000VDC, 0.001μF, ±3%)

- Lead forming
- Radial leads
- Capacitance tolerance (H=±3%, J=±5%)
- Capacitance: See table (*)
- Rated voltage (20…2000VDC)

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

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

(example)

WHV 102 H
Ⓜ 2.0kVDC
□
date code

PROPERTIES

Capacitance	:	See table at 1kHz
Capacitance tolerance	:	±3% (H), ±5% (J)
Rated voltage	:	2000VDC △8 (Derating of rated voltage by 1.25%/℃ at more than 85℃)
Withstand voltage		
(terminal-terminal)	:	DC Rated voltage × 150% for 60s
(terminal-enclosure)	:	1500VAC for 60s
Insulation resistance	:	30,000MΩ or more, at 500VDC, 20℃ for 60s
Dissipation factor	:	0.1% or less at 1kHz, 0.2% or less at 10kHz
Category temperature range (including temperature rise on unit surface)	:	△7△8 From −40℃ to +105℃

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

ALTERATION

ISSUE	DESCRIPTION	DATE
△2	Modification	Oct. 1 2003
△3	Addition (0.0041μF)	Feb. 20 2004
△4	Company name changed	Oct. 1 2004
△5	Company name changed	Apr. 1 2005
△6	Company name changed	Apr. 1 2006
△7	Alteration: Category temperature range (−25℃→−40℃)	Apr. 20 2007
△8	Correction: category temperature range (−40℃~+85℃→−40℃~+105℃) Addition: rated voltage (Derating of rated voltage by 1.25%/℃ at more than 85℃) Company name changed	Apr. 1 2008
△9	Company name changed	Apr. 1 2012
△10	Company name changed	Apr. 1 2013
△11	Company name changed	Apr. 1 2015
△12	Company name changed	Apr. 1 2022

SPECIFICATIONS No.

DESIGN	M. MEKADA
CHECKED	T. YAMADA
APPROVAL	T. KATO
ESTABLISHMENT	Dec. 12. 1996
TYPE NAME	ECWH 20***() VB
NAME	METALLIZED POLYPROPYLENE CAPACITOR
DRAWING NAME	PRODUCT DRAWING
DRAWING No.	CH-H-612M (1/1)

REFERENCE

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