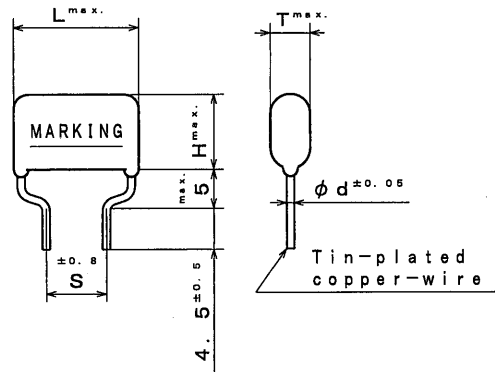
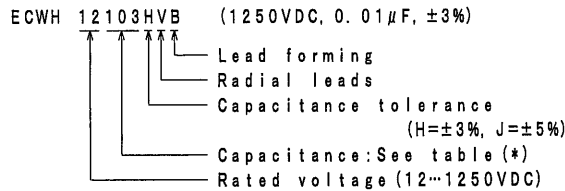


THIRD ANGLE PROJECTION

ITEM CODE	CAPACITANCE μF (*)	DIMENSIONS				
		L	T	H	S	d
ECWH 12362 () VB	0.0036 (362)	18.0	6.0	12.5	10.0	0.8
" 12392 () VB	0.0039 (392)	"	"	"	"	"
" 12432 () VB	0.0043 (432)	"	"	13.0	"	"
" 12472 () VB	0.0047 (472)	"	"	"	"	"
" 12512 () VB	0.0051 (512)	"	6.5	"	"	"
" 12562 () VB	0.0056 (562)	"	"	13.5	"	"
" 12622 () VB	0.0062 (622)	"	"	"	"	"
" 12682 () VB	0.0068 (682)	"	7.0	"	"	"
" 12752 () VB	0.0075 (752)	"	"	14.0	"	"
" 12822 () VB	0.0082 (822)	"	7.5	"	"	"
" 12912 () VB	0.0091 (912)	"	"	14.5	"	"
" 12103 () VB	0.01 (103)	"	8.0	15.0	"	"
" 12113 () VB	0.011 (113)	"	8.5	"	"	"
" 12123 () VB	0.012 (123)	"	"	15.5	"	"
" 12133 () VB	0.013 (133)	"	9.0	"	"	"
" 12153 () VB	0.015 (153)	"	9.5	16.0	"	"
" 12163 () VB	0.016 (163)	23.0	7.5	"	15.0	"
" 12183 () VB	0.018 (183)	"	"	"	"	"
" 12203 () VB	0.02 (203)	"	8.0	16.5	"	"
" 12223 () VB	0.022 (223)	"	8.5	"	"	"
" 12243 () VB	0.024 (243)	"	"	17.0	"	"
" 12273 () VB	0.027 (273)	"	9.0	17.5	"	"
" 12303 () VB	0.03 (303)	"	9.5	18.0	"	"
" 12333 () VB	0.033 (333)	"	10.0	18.5	"	"
" 12363 () VB	0.036 (363)	"	"	19.0	"	"
" 12393 () VB	0.039 (393)	"	10.5	19.5	"	"
" 12433 () VB	0.043 (433)	"	11.0	20.0	"	"
" 12473 () VB	0.047 (473)	"	11.5	20.5	"	"
" 12513 () VB	0.051 (513)	"	12.0	21.0	"	"
" 12563 () VB	0.056 (563)	28.0	11.5	20.0	17.5	"
" 12623 () VB	0.062 (623)	"	12.0	21.0	"	"
" 12683 () VB	0.068 (683)	"	12.5	21.5	"	"
" 12753 () VB	0.075 (753)	"	13.5	22.0	"	"
" 12823 () VB	0.082 (823)	"	14.0	22.5	"	"
" 12913 () VB	0.091 (913)	"	14.5	23.0	"	"
" 12104 () VB	0.1 (104)	"	15.5	24.0	"	"



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.

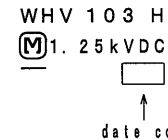
MARKING

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%/°C at more than 85°C)
- Withstand voltage (terminal-terminal) : Rated voltage x 150% for 60s
- (terminal-enclosure) : 1500VAC for 60s
- Insulation resistance : 30,000MΩ or more, at 500VDC, 20°C for 60s
- Dissipation factor : 0.1% or less at 1kHz, 0.2% or less at 10kHz
- Category temperature range : From -40°C to +105°C (including temperature rise on unit surface)

(example)



ALTERATION		
ISSUE	DESCRIPTION	DATE
△1	Company name changed	Apr. 1 2012
△2	Company name changed	Apr. 1 2013
△3	Company name changed	Apr. 1 2015
SPECIFICATIONS No.		

DESIGN	<i>M. Yamaguchi</i>
CHECKED	<i>M. Yamaguchi</i>
APPROVAL	<i>M. Yamaguchi</i>
ESTABLISHMENT	Mar. 18. 2010
TYPE NAME	
ECWH 12*** () VB	
NAME METALLIZED POLYPROPYLENE CAPACITOR	
DRAWING NAME	
PRODUCT DRAWING	
DRAWING No.	
0024J-J-E (1/1)	

Toyama-Matsue Plant
 Device Solutions Business Division
 Panasonic Corporation