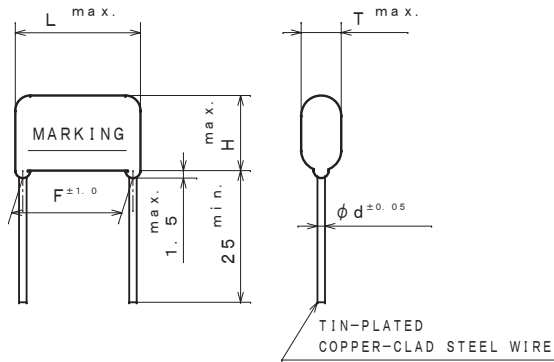


ITEM CODE	CAP. μF (*)	DIMENSIONS					VOLUME (mm <sup>3</sup> )
		L	T	H	F	d	
ECWH8103HA	0.010 (103)	15.4	5.4	9.8	12.5	0.6	676
" 8123HA	0.012 (123)	"	5.8	10.2	"	"	740
" 8153HA	0.015 (153)	"	6.2	10.6	"	"	819
" 8183HA	0.018 (183)	15.7	6.6	11.0	"	0.8	933
" 8223HA	0.022 (223)	"	7.1	11.5	"	"	1044
" 8273HA	0.027 (273)	"	7.6	12.0	"	"	1161
" 8333HA	0.033 (333)	"	8.4	12.8	"	"	1346
" 8393HA	0.039 (393)	"	8.9	13.3	"	"	1491
" 8473HA	0.047 (473)	"	9.7	14.1	"	"	1715



•F: regulation of the root

**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, type name "WHA" and manufacturer's date code.

**PROPERTIES**

- \*Capacitance : See table at 1kHz.
- \*Capacitance tolerance : ±3% (H) at 1kHz.
- \*Rated voltage : 800VDC
- \*Withstand voltage (terminal-terminal) : 800VDC×150% for 60s
- \*Insulation resistance : ≥30000MΩ at 500VDC, 20°C for 60s
- \*Dissipation factor : ≤0.1% at 1kHz, 20°C
- \*Category temperature range : From -40°C to +105°C  
(including temperature rise on unit surface)

**MARKING EXAMPLE**

WHA 103H  
800V  
[ ]  
↑  
date code

ALTERATION		
ISSUE	DESCRIPTION	DATE
△	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.

DESIGN	M. MEKADA
CHECKED	H. YAMADA
APPROVAL	T. KATO
ESTABLISHMENT	Feb. 24. 2009
TYPE NAME	
ECWH8***HA	
NAME Metallized Polypropylene Film Capacitor	
DRAWING NAME	
PRODUCT DRAWING	
DRAWING No.	
8050J-J-E (1/1)	

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