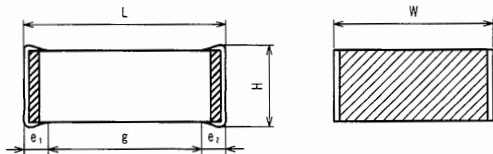
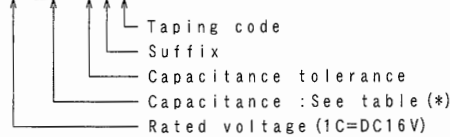


THIRD ANGLE PROJECTION

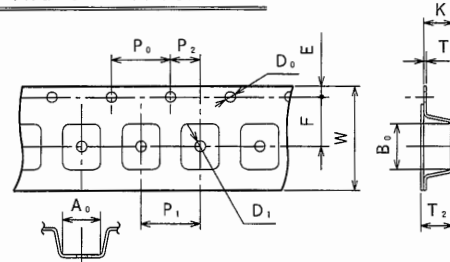
ITEM CODE	CAPACITANCE μF (*)	DIMENSIONS						TYPE
		L	W	H	e <sub>1</sub> , e <sub>2</sub>	g		
ECPU 1C104MA5	0.10 (104)	2.0±0.2	1.25±0.2	1.0±0.2	0.45±0.25	0.6min	△ J <sub>1</sub>	
" 1C154MA5	0.15 (154)	3.2±0.2	1.6±0.2	0.8±0.2	0.65±0.3	1.0min	H <sub>1</sub>	
" 1C224MA5	0.22 (224)	"	"	"	"	"	"	
" 1C334MA5	0.33 (334)	"	"	1.0±0.2	"	"	H <sub>2</sub>	
" 1C474MA5	0.47 (474)	"	"	1.4±0.2	"	"	H <sub>3</sub>	
" 1C684MA5	0.68 (684)	"	"	"	"	"	"	
" 1C105MA5	1.0 (105)	"	2.5±0.2	"	"	"	G <sub>2</sub>	

ITEM CODE NUMBER STRUCTURE

ECPU1C105MA5 (DC16V, 1.0μF, ±20%)



TAPING SPECIFICATION



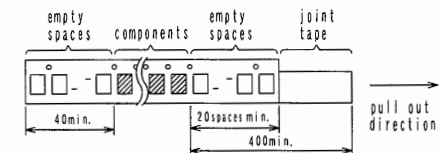
TYPE	A <sub>0</sub>	B <sub>0</sub>	T	T <sub>2</sub>	K
J <sub>1</sub>	1.55±0.1	2.3±0.1	0.25±0.05	1.3±0.2	1.2±0.1
H <sub>1</sub> , H <sub>2</sub>	1.9±0.1	3.5±0.1	"	1.5±0.2	1.4±0.1
H <sub>3</sub>	"	"	"	1.9±0.2	1.8±0.1
G <sub>2</sub>	2.8±0.1	"	"	"	"

SYMBOL	DIMENSIONS
W	8.0 ±0.3
F	3.5 ±0.05
E	1.75 ±0.1
P <sub>1</sub>	4.0 ±0.1
P <sub>2</sub>	2.0 ±0.05
P <sub>0</sub>	4.0 ±0.1
φD <sub>0</sub>	1.5 +0.1/0
φD <sub>1</sub>	1.0 +0.2/0

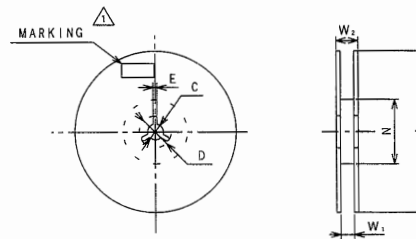
ALTERATION		
ISSUE	DESCRIPTION	DATE
△	Alteration (Type J <sub>2</sub> →J <sub>1</sub> )	Aug. 24 2002
△	Alteration Packing specification W. (9.0°→9.0°)	Oct. 1 2004
△	Company name changed	Apr. 1 2005
△	Company name changed	Apr. 1 2006
△	Company name changed	Apr. 1 2008
△	Company name changed	Apr. 1 2012
△	Company name changed	Apr. 1 2013

SPECIFICATIONS No.

EMPTY SPACE AND JOINT TAPE



PACKING SPECIFICATION



SYMBOL	DIMENSIONS
A	180.0 ±0.5
C	13.0 ±0.2
D	21.0 ±0.8
E	2.0 ±0.5
N	60.0 ±0.5
W <sub>1</sub>	9.0 ±0.5
W <sub>2</sub>	11.4 ±1.0

PACKING QUANTITY

TYPE	REEL (pcs.)
J <sub>1</sub> , H <sub>1</sub> , H <sub>2</sub>	3,000
H <sub>3</sub> , G <sub>2</sub>	2,000

CONSTRUCTION

The capacitor is non-inductive construction, stacked with metallized plastic film dielectric, and has two outer electrodes.

PROPERTIES

Capacitance : See table at 1kHz  
 Capacitance tolerance : ±20% (M)  
 Rated voltage : DC16V  
 Withstand voltage : Rated voltage × 175% for 1s to 5s  
 Insulation resistance : I. R ≥ 1,000MΩ when C ≤ 0.33μF } at 20°C  
 : C. R ≥ 300MΩ·μF when C > 0.33μF } DC16V, for 60s  
 Dissipation factor : ≤ 1.5% at 1kHz, 20°C  
 Category temperature range : from -40°C to +85°C (including temperature rise on unit surface)

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

Reference

DESIGN	M. M. M.
CHECKED	G. Takata
APPROVAL	K. Fukumitsu
ESTABLISHMENT	Aug. 1, 1998
TYPE NAME	ECPU 1C***MA5
NAME	FILM CHIP CAPACITOR
DRAWING NAME	PRODUCT DRAWING
DRAWING No.	CW-H-803H (1/1)

Film Capacitor Division  
 Capacitor Business Division  
 Panasonic Corporation