THIRD ANGLE PROJECTION

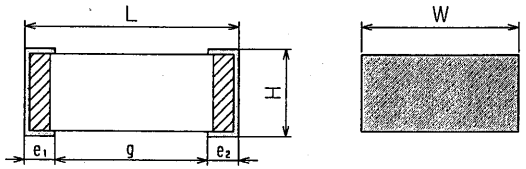
ITEM CODE	CAPACITANCE μF	(*)	DIMENSIONS L	W	H	e1, e2	g	TYPE
ECHU 1H473( )X9	0.047	(473)	4.8±0.2	3.3±0.3	1.5±0.2	0.80±0.3	2.0min.	E_1
〃 1H563( )X9	0.056	(563)	〃	〃	〃	〃	〃	〃
〃 1H683( )X9	0.068	(683)	〃	〃	〃	〃	〃	〃
〃 1H823( )X9	0.082	(823)	〃	〃	2.1±0.2	〃	〃	E_2
〃 1H104( )X9	0.1	(104)	〃	〃	〃	〃	〃	〃
〃 1H124( )X9	0.12	(124)	6.0±0.2	4.1±0.3	1.9±0.2	〃	〃	D_1
〃 1H154( )X9	0.15	(154)	〃	〃	〃	〃	〃	〃
〃 1H184( )X9	0.18	(184)	〃	〃	2.5±0.2	〃	〃	D_3
〃 1H224( )X9	0.22	(224)	〃	〃	2.8±0.2	〃	〃	D_4

ALTERATION		
ISSUE	DESCRIPTION	DATE
SPECIFICATIONS No.		

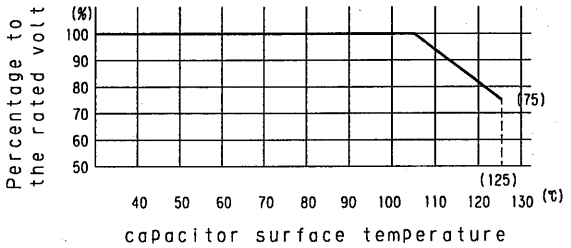
ITEM CODE NUMBER STRUCTURE

ECHU 1H104JX9 (DC50V, 0.1μF, ±5%)

- Taping
- Suffix
- Capacitance tolerance (G=±2%, J=±5%)
- Capacitance : See table(*)
- Rated voltage(1H=DC50V)



Derating of rated voltage to operating temperature
(including capacitor surface temperature)
[in the case of capacitance range exceeding 0.1μF(C > 0.1μF)]



Reference

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	: ±2%(G), ±5%(J)
Rated voltage	: DC50V
Withstand voltage	: Rated voltage x 175% for 1s to 5s
Insulation resistance	: ≧3,000MΩ at 20℃, DC50V for 60s
Dissipation factor	: ≦0.6% at 1kHz, 20℃
Category temperature	: from −55℃ to +125℃ (including temperature rise on unit surface)

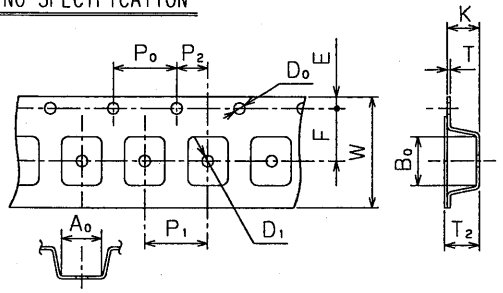
DESIGN	
CHECKED	
APPROVAL	
ESTABLISHMENT	Oct.13.2006
TYPE NAME	ECHU 1H×××( )X9
NAME	FILM CHIP CAPACITOR ECHU(X)
DRAWING NAME	PRODUCT DRAWING
DRAWING No.	6016C-J-E(1/2)

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Panasonic Electronic Devices Co.,Ltd.
Capacitor Business Unit
Panasonic Electronic Devices Matsue Co.,Ltd.

THIRD ANGLE PROJECTION

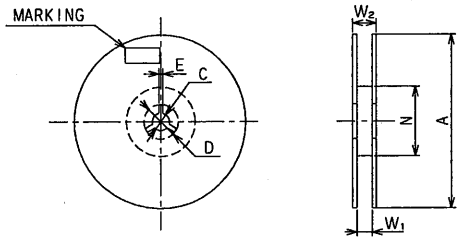
TAPING SPECIFICATION



TYPE	A_0	B_0	T	T_2	K
E_1	3.8 ±0.1	5.1±0.1	0.30±0.05	2.0±0.2	1.9±0.1
E_2	〃	〃	〃	2.6±0.2	2.5±0.1
D_1	4.6 ±0.1	6.3±0.1	〃	2.7±0.2	2.6±0.1
D_3, D_4	〃	〃	〃	3.5±0.2	3.4±0.1

SYMBOL	DIMENSIONS	
	E_1, E_2	D_1, D_3, D_4
W	12.0 ±0.3	12.0 ±0.3
F	5.5 ±0.05	5.5 ±0.05
E	1.75±0.1	1.75±0.1
P_1	8.0 ±0.1	8.0 ±0.1
P_2	2.0 ±0.05	2.0 ±0.05
P_0	4.0 ±0.1	4.0 ±0.1
ØD₀	$1.5\ ^{+0.1}_{0}$	$1.5\ ^{+0.1}_{0}$
ØD₁	$1.5\ ^{+0.2}_{0}$	——

PACKING SPECIFICATION

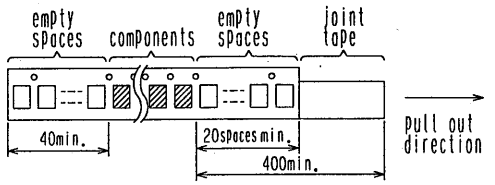


SYMBOL	DIMENSIONS
A	330.0 ±2.0
C	13.0 ±0.2
D	21.0 ±0.8
E	2.0 ±0.5
N	80.0 ±1.0
W_1	13.4 ±1.0
W_2	17.4 ±1.0

PACKING QUANTITY

TYPE	REEL(pcs.)
E_1, E_2, D_1	3,000
D_3, D_4	2,000

EMPTY SPACE AND JOINT TAPE



Reference

NAME
FILM CHIP CAPACITOR
ECHU(X)

TYPE NAME
ECHU 1H▪▪▪()X9

DRAWING No.
6016C-J-E(2/2)

Panasonic Electronic Devices Co.,Ltd.
Capacitor Business Unit
Panasonic Electronic Devices Matsue Co.,Ltd.

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