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[ECH-U1H473JC9](#)

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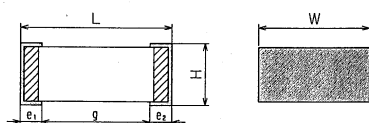
sales@integrated-circuit.com

THIRD ANGLE PROJECTION

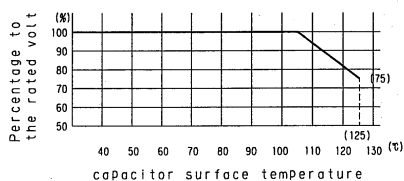
ITEM CODE	CAPACITANCE μF (#)	DIMENSIONS						TYPE
		L	W	H	e ₁ , e ₂	g		
ECHU 1H473(J)X9	0.047 (473)	4.8±0.2	3.3±0.3	1.5±0.2	0.80±0.3	2.0min.	E ₁	
# 1H563(J)X9	0.056 (563)	#	#	#	#	#	#	
# 1H683(J)X9	0.068 (683)	#	#	#	#	#	#	
# 1H823(J)X9	0.082 (823)	#	#	2.1±0.2	#	#	E ₂	
# 1H104(J)X9	0.1 (104)	#	#	#	#	#	#	
# 1H124(J)X9	0.12 (124)	6.0±0.2	4.1±0.3	1.9±0.2	#	#	D ₁	
# 1H154(J)X9	0.15 (154)	#	#	#	#	#	#	
# 1H184(J)X9	0.18 (184)	#	#	2.5±0.2	#	#	D ₃	
# 1H224(J)X9	0.22 (224)	#	#	2.8±0.2	#	#	D ₄	

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)]



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°C, DC50V for 60s
 Dissipation factor : ≤0.6% at 1kHz, 20°C
 Category temperature : from -55°C to +125°C
 (including temperature rise on unit surface)

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

ALTERATION

ISSUE	DESCRIPTION	DATE

SPECIFICATIONS No.

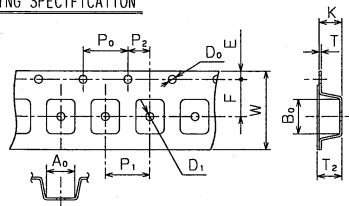
Reference

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)

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

THIRD ANGLE PROJECTION

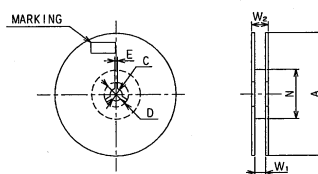
TAPING SPECIFICATION



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
∅D ₀	1.5 ^{+0.1} _{-0.1}	1.5 ^{+0.1} _{-0.1}
∅D ₁	1.5 ^{+0.2} _{-0.2}	—

PACKING SPECIFICATION

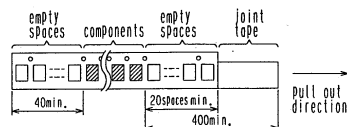


SYMBOL	DIMENSIONS
A	330.0 ±2.0
C	13.0 ±0.2
D	21.0 ±0.8
E	2.0 ±0.5
N	80.0 ±1.0
W ₁	13.4 ±1.0
W ₂	17.4 ±1.0

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.