# ELECTRIC DOUBLE LAYER CAPACITORS "DYNACAP"



## **5.5V Miniaturized Standard Capacitors**

- Smaller and lighter than Series DB.
- •5mm tall. Max. thin profile (H-shaped).
- Miniaturized but can encase up to 0.47F in 11.5×5mm case, and 1.5F in 19.0×20.5mm case.



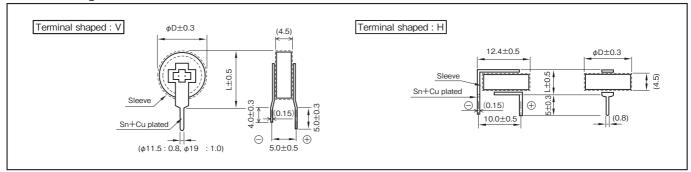


Marking color: White print on an indigo sleeve

#### Specifications

Item	Performance									
Category temperature range (°C)	-25 to +70									
Tolerance at rated capacitance (%)	-20 to +80									
Internal resistance	Rated capacitance (F)	0.047	0.1	0.22	0.33	0.47	0.47	1.0	1.5	
at 1 kHz	Internal resistance (Ω)	120	75	75	75	75 ( $\phi$ 11.5)	30 (φ 19.0)	30	30	
Characteristics at high and low temperature	Percentage of capacitance change Internal resistance									
Endurance (70°C)	Test time	Test time 1000 hours								
	Percentage of capacitance change	Within ±30% of the initial measured value								
	Internal resistance	Less than four times of the initial specified value								
Shelf life (70°C)	Test time: 1000 hours; Same as endurance.									
Applicable standards	Conforms to JIS C5160-1 2009 (IEC 62391-1 2006)									

**Outline Drawing** Unit: mm



F	Part numbering system (example : 5.5V0.1F)							
	DX	_	5R5		104		U	
	Series code		Reted voltage symbol	Terminal code	Reted capacitance symbol	Additional symbol		

Part number is refer to below table.

#### Note

Do not apply external force to products or terminals as stress such as twisting, bending, pushing, or falling of such products or terminals may remove the terminals, resulting in an open/short circuit or liquid leakage.

Avoid applying excessive heat to capacitors during heating of an adhesive curing oven.

For details, refer to the precautions in use of DYNACAP.

### Standard Ratings

Max. operating voltage (V)	Rated capacitance (F)	ELNA Parts No.	φD×L (mm)		
5.5	0.047	DX-5R5V473U	11.5×13.0		
5.5	0.047	DX-5R5H473U	11.5× 5.0		
5.5	0.1	DX-5R5V104U	11.5×13.0		
3.3		DX-5R5H104U	11.5× 5.0		
5.5	0.22	DX-5R5V224U	11.5×13.0		
5.5		DX-5R5H224U	11.5× 5.0		
5.5	0.33	DX-5R5V334U	11.5×13.0		
5.5		DX-5R5H334U	11.5× 5.0		
	0.47	DX-5R5V474SU	11.5×13.0		
5.5		DX-5R5H474SU	11.5× 5.0		
		DX-5R5V474U	19.0×20.5		
5.5	1.0	DX-5R5V105U	19.0×20.5		
5.5	5.5 1.5		19.0×20.5		