DSK-414 ELECTRIC DOUBLE LAYER CAPACITORS "DYNACAP"

ELNA



- Reflow soldering method available.
- Unlike batteries, the number of charging/ discharging cycles unlimited and rapid charging/ discharging is possible.
- NEW DSK 4.8x1.71mm Ma DSK (ø6.8x1.8mm Max. $\langle \Box \rangle$ Low profile



Recommended land pattern size

1.5±0.1 \oplus

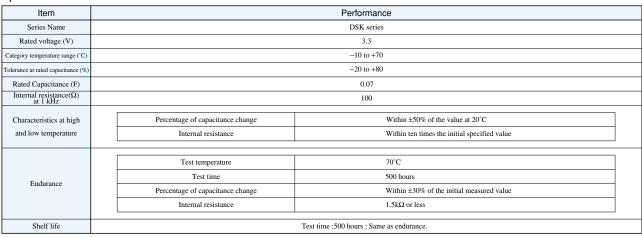
4.6±0.1 1-0-1

e

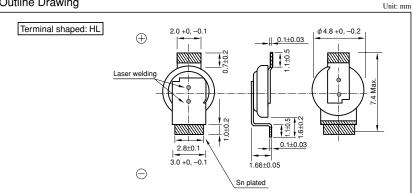
Unit: mm

- · High reliability, Safe and unlike secondary batteries, this is pollution free devices.
- ø4.8 x 1.71mm Max height type made lineup in the DSK series.

Specifications



Outline Drawing



Part numbering system (3.3V0.07F, terminal shaped: HL)								
DSK	_	3R3	Н	703	T414	_	HL	L
Series code		Rated voltage symbol		Rated capacitance symbol	Additional symbol	-	Terminal shaped	Taping

Standard Ratings

Max. operating voltage(V)	Rated capacitance(F)	ELNA Parts No.	ø DxL(mm)	
3.3	3.3 0.07		4.8x1.4	

* Reflow soldering condition : 146 page.

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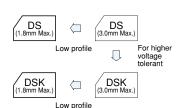




ELECTRIC DOUBLE LAYER DS, DSK-614

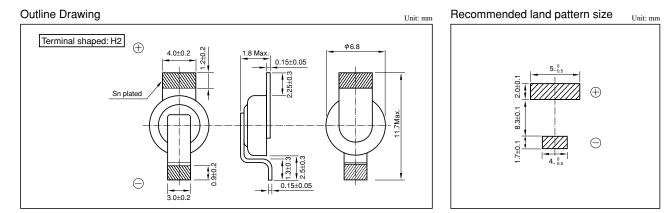
1.8mm Max. height Coin Cell Capacitors GREEN GREEN CAP

- Reflow soldering method available.
- Unlike batteries, the number of charging/ discharging cycles unlimited and rapid charging/ discharging is possible.
- High reliability, Safe and unlike secondary batteries, this is pollution free devices.
- 1.8mm height type made lineup in the DS, DSK series.





Specifications		Low profile							
Item		Perfo	rm	mance					
Series Name	j	DS series	Т	Ι	DSK series				
Rated voltage (V)		2.5			3.3				
Category temperature range (°C)	-	25 to +70		-	-10 to +60				
Tolerance at rated capacitance (%)	-	20 to +80	T	-	-20 to +80				
Rated Capacitance (F)		0.2	T	0.2					
Internal resistance(Ω) at 1 kHz		100		200					
Characteristics at high and low temperature	Percentage of capacitance change Internal resistance	Within ±30% of the value at 20°C Less than five times of the value at 20°C		Percentage of capacitance change Internal resistance	Within ±50% of the value at 20°C Within ten times the initial specified value				
-			+		X				
	Test temperature	70°C		Test temperature	60°C				
Endurance	Test time	1000 hours		Test time	1000 hours				
Endurance	Percentage of capacitance change	Within ±30% of the initial measured value		Percentage of capacitance change	Within ±30% of the initial measured value				
	Internal resistance	2kΩ or less		Internal resistance	4kΩ or less				
Shelf life		Test time :1000 hours ; Same as endurance.							



Ρ	Part numbering system (2.5V0.2F, terminal shaped: H2)								
	DS	_	2R5	Н	204	T614	_	H2	L
	Series code		Rated voltage symbol		Rated capacitance symbol	Additional symbol	_	Terminal shaped	Taping

Part numbering system (3.3V0.2F, terminal shaped: H2)							
DSK -	– 3R3	Н	204	T614	_	H2	L
Series code	Rated voltage		Rated capacitance symbol	Additional		Terminal shaped	Taping

Standard Ratings

Max. operating voltage(V)	Rated capacitance(F)	ELNA Parts No.	ø DxL(mm)	
2.5	0.2	DS-2R5H204T614-H2L	6.8x1.4	
3.3	0.2	DSK-3R3H204T614-H2L	6.8x1.4	

* Reflow soldering condition : 146 page.

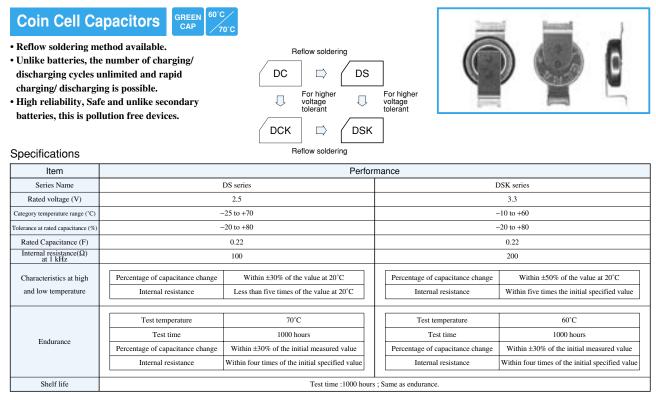
Electric Double Layer Capacitors

NOTE



DS, DSK-621 ELECTRIC DOUBLE LAYER CAPACITORS "DVNACAP"

ELNA



Outline Drawing Recommended land pattern size Unit: mm Unit: mm Terminal shaped: H \oplus Φ6.8 4 0+0 2 0.15±0.05 0±0.3 0+0 c Œ Sn + Cn plated 8.3±0.1 7+0.1 Θ 1.4±0.3 2.5±0.5 Θ 0.15±0.05 3 0+0 2

Part numbering system (2.5V0.22F, terminal shaped: H)									
DS	—	2R5	Н	224	- []	– HL			
Series code		Rated voltage symbol	-	Rated capacitance symbol	Additional symbol				

Part numbering system (3.3V0.22F, terminal shaped: H)									
DSK –	- 3R3	Н	224		- HL				
Series code	Rated voltage symbol	-	Rated capacitance symbol	Additional symbol	_				

Standard Ratings

Max. operating voltage(V)	Rated capacitance(F)	ELNA Parts No.	ø DxL(mm)	
2.5	0.22	DS-2R5H224U-HL	6.8x2.1	
3.3	0.22	DSK-3R3H224U-HL	6.8x2.1	

* Reflow soldering condition : 146 page.

