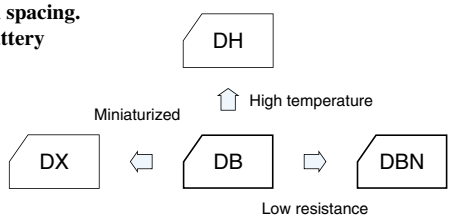
5.5V Standard Capacitors Series DB

- **Small-sized, large capacity, excellent voltage holding.**
- **For all ratings, uniform 5mm pitch of terminal spacing.**
- **Wider temperature range(–25~+70˚C) than battery makes periodic change unnecessary.**
- **ø13.5x7.5 ℓ size can encase up to 0.33F.**
- **Ideal for backing up of CMOS's, microcomputers, RAM's and the like used in VCR's, tuners, TV sets, telephone sets and others.**



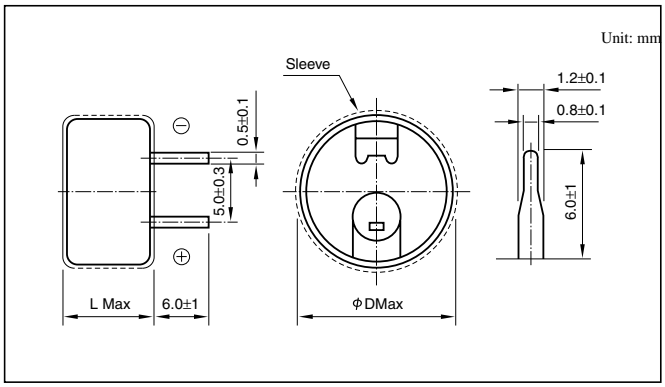


Marking color : White print on an indigo sleeve

Specifications

Item	Performance
Category temperature range (˚C)	–25 to +70
Tolerance at rated capacitance (%)	–20 to +80
Internal resistance at 1 kHz	Rated Capacitance (F): 0.047 / 0.1 / 0.22 / 0.33 / 0.47 / 1.0 Internal resistance (Ω): 120 / 75 / 75 / 75 / 30 / 30
Characteristics at high and low temperature	Percentage of capacitance change: Within ±30% of the value at 20˚C Internal resistance: Less than five times of the value at 20˚C
Endurance (70˚C)	Test time: 1000 hours Percentage of capacitance change: Within ±30% of the initial measured value Internal resistance: Within four times of the initial specified value
Shelf life (70˚C)	Test time :1000 hours ; Same as endurance.

Outline Drawing



Standard Ratings

Max. operating voltage(V)	Rated capacitance(F)	ELNA Parts No.	ø DxL(mm)
5.5	0.047	DB-5R5D473T	13.5x7.5
5.5	0.1	DB-5R5D104T	13.5x7.5
5.5	0.22	DB-5R5D224T	13.5x7.5
5.5	0.33	DB-5R5D334T	13.5x7.5
5.5	0.47	DB-5R5D474T	21.5x8.0
5.5	1.0	DB-5R5D105T	21.5x8.0

Part numbering system (example: 5.5V0.1F)

Environmental item	DB (Series code)	—	5R5 (Rated voltage symbol)	D	104 (Rated capacitance symbol)	T		
Former item	DB (Series code)	—	5R5 (Rated voltage symbol)	D	104 (Rated capacitance symbol)			

5.5V Low Resistance Series DBN

- **Internal resistance was reduced to 1/3 to DB series.**
- **It excels in rapid charge.**

Specifications

Item	Performance
Category temperature range (˚C)	–25 to +70
Tolerance at rated capacitance (%)	–20 to +80
Internal resistance at 1 kHz	Rated Capacitance (F): 0.1 Internal resistance (Ω): 25
Characteristics at high and low temperature	Percentage of capacitance change: Within ±30% of the value at 20˚C Internal resistance: Less than five times of the value at 20˚C
Endurance (70˚C)	Test time: 1000 hours Percentage of capacitance change: Within ±30% of the initial measured value Internal resistance: Within four times of the initial specified value
Shelf life (70˚C)	Test time :1000 hours ; Same as endurance.

Standard Ratings

Max. operating voltage(V)	Rated capacitance(F)	ELNA Parts No.	ø DxL(mm)
5.5	0.1	DBN-5R5D104T	13.5x7.5

Part numbering system (example: 5.5V0.1μF)

Environmental item	DBN (Series code)	—	5R5 (Rated voltage symbol)	D	104 (Rated capacitance symbol)	T		
Former item	DBN (Series code)	—	5R5 (Rated voltage symbol)	D	104 (Rated capacitance symbol)			

NOTE
Design, Specifications are subject to change without notice.
Ask factory for technical specifications before purchase and/or use.

Mouser Electronics

Authorized Distributor

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Elna:

DB-5R5D224 DB-5R5D474 DB-5R5D474T DB-5R5D473T DB-5R5D104T DB-5R5D105T DB-5R5D224T DBN-5R5D104T DBN-5R5D105T DBN-5R5D473T DBN-5R5D334T DBN-5R5D474T DBN-5R5D474ST DBN-5R5D224T DBN-5R5D155T