nichicon

UDB

Bi-Polarized, For Speaker Network

For Audio Use | Bi-polarized | Anti-Solvent Feature

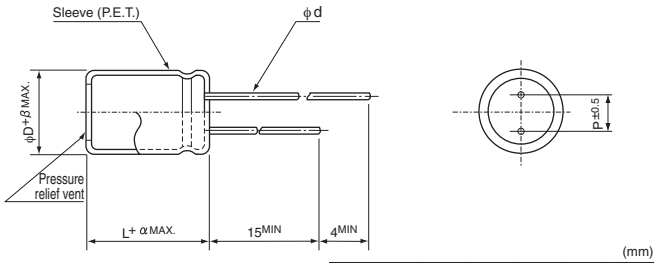
- Bi-polarized series.
- Designed specifically for crossover networks in Hi-Fi sound systems.
- Compliant to the RoHS directive (2011/65/EU).

A value marked with an ※ in the dimension table is scheduled to be discontinued and is not recommended for new designs.

■Specifications

Item	Performance Characteristics
Category Temperature Range	−40 to +85°C
Rated Voltage Range	50V
Rated Capacitance Tolerance	±20% at 1kHz
Leakage Current (After 5 minutes' application of rated voltage at 20°C)	Leakage current is not more than 0.03CV or 3 (μA), whichever is greater.
Tangent of loss angle (tan δ) (1 kHz) (5 kHz)	0.10 or less 0.15 or less
Allowable Continuous Current (8Ω - fc)	Value in table or less
Marking	Printed with white color letter on black sleeve.

■Radial Lead Type



(mm)

φD	8	10	12.5	16	18	22
P	3.5	5.0	5.0	7.5	7.5	10.0
φd	0.8	0.8	0.8	0.8	0.8	1.0
α	1.5	1.5	1.5	1.5	1.5	2
β	0.5	0.5	0.5	0.5	0.5	1

• Please refer to page 20 about the end seal configuration.

■Dimensions

φD × L (mm)

Cap. (μF)	Code	1H (50V)	Allowable Continuous Current (8Ω - fc) Frequency (Hz)	Rated ripple (mArms)
1	010	8 × 11.5	20k	205
1.5	1R5	8 × 11.5	13k	245
2.2	2R2	10 × 12.5	9k	320
3.3	3R3	10 × 16	6k	400
4.7	4R7	10 × 20	4.2k	480
6.8	6R8	12.5 × 20	2.9k	540
10	100	12.5 × 25	2k	600
15	150	12.5 × 25	1.3k	660
22	220	16 × 25	900	740
33	330	16 × 31.5	600	800
47	470	18 × 35.5	420	1020
68	680	※ 22 × 40	290	1200

Type numbering system (Example : UDB 50V 10μF)

1	2	3	4	5	6	7	8	9	10	11
U	D	B	1	H	1	0	0	M	H	M

Configuration

Capacitance tolerance : M(±20%)

Rated capacitance (10μF)

Rated voltage (50V)

Series name

Type

φD	Code
8 · 10	PM
12.5 to 18	HM
22	RM

Please refer to page 20, 21, 22 about the formed or taped product spec.
Please refer to page 4 for the minimum order quantity.

Mouser Electronics

Authorized Distributor

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Nichicon:

UDB1H100MHB UDB1H150MHB UDB1H6R8MHB UDB2A2R7KPDANATD UDB1H100MRB UDB1H010MPM UDB1H100MHM UDB1H150MHM UDB1H1R5MPM UDB1H220MHM UDB1H330MHM UDB1H470MHM UDB1H4R7MPM UDB1H680MRM UDB1H6R8MHM UDB1H2R2MPM UDB1H3R3MPM UDB1H4R7MPM1TD UDB1H3R3MPM1TD UDB1H010MPM1TD UDB1H6R8MHM1TO UDB1H100MHM1TO UDB1H150MHM1TO UDB1H1R5MPM1TD UDB1H220MHM1TN UDB1H2R2MPM1TD