

www.vishay.com

Vishay Draloric

Ceramic Singlelayer DC Disc Capacitors, 1 kV_{DC} General Purpose



QUICK REFERENCE DATA					
DESCRIPTION	VALUE				
Ceramic Class	1 2				
Ceramic Dielectric	N750, Y5T, Y5U, Y5V				
Voltage (V _{DC})	1000				
Min. Capacitance (pF)	10	47			
Max. Capacitance (pF)	680	22 000			
Mounting	Radial				

MARKING

Marking indicates, capacitance, tolerance code, and rated voltage.

OPERATING TEMPERATURE RANGE

-40 °C to +85 °C

TEMPERATURE CHARACTERISTICS

Class 1 N750 (U2J) Class 2 Y5T, Y5U, Y5V

SECTIONAL SPECIFICATIONS

Climatic category (according to EN 60068-1): 40/085/21

FEATURES

· High capacitance in small sizes



- · Wide range of different lead styles
- · Material categorization: for definitions of compliance please see www.vishay.com/doc?99912





APPLICATIONS

- · Lighting ballasts
- SMPS

DESIGN

The capacitors consist of a ceramic disc which is silver plated on both sides. Connection leads are made of tinned copper having diameters of 0.6 mm or 0.8 mm.

The capacitors may be supplied with straight or kinked leads having a lead spacing of 5.0 mm or 7.5 mm.

Coating is made of blue colored flame retardant epoxy resin in accordance with UL 94 V-0.

CAPACITANCE RANGE

10 pF to 22 nF

RATED VOLTAGE

1000 V_{DC}

DIELECTRIC STRENGTH

 $1750 V_{DC}$, 2 s Component test

INSULATION RESISTANCE AT 500 VDC

 \geq 10 000 M Ω (60 s)

TOLERANCE ON CAPACITANCE

± 10 %, ± 20 %, -20 % +50 %

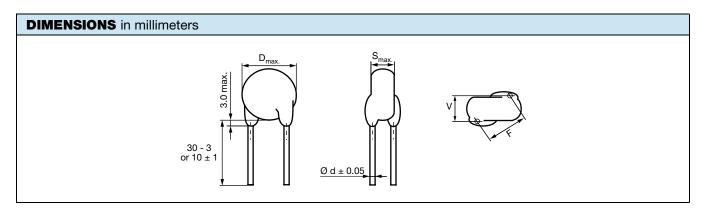
DISSIPATION FACTOR

Class 1:

C < 30 pF: $\left(\frac{100 \text{ pF}}{C} + 0.7\right) \times 10^{-4} \text{ max.} (1 \text{ MHz})$

C ≥ 30 pF: max. 0.1 % (1 MHz) Class 2: max. 2.5 % (1 kHz)

Vishay Draloric



ORDERING I	NFORMATIO	N					
CAPACITANCE (pF)	TOLERANCE (%)	BODY DIAMETER D _{max.} (mm)	BODY THICKNESS S _{max.} (mm)	LEAD SPACING (1) F (mm) ± 1 mm	LEAD DIAMETER ⁽¹⁾ d (mm) ± 0.05 mm	WIDTH ⁽¹⁾ V (mm) ± 0.5 mm	ORDERING CODE MISSING DIGITS SEE ORDERING CODE BELOW
N750 (U2J)							
10		7.0	3.0		0.6	1.4	HAU100KBA###KR
15							HAU150KBA###KR
22							HAU220KBA###KR
33							HAU330KBA###KR
47							HAU470KBA###KR
68		8.0					HAU680KBA###KR
82	± 10			7.5			HAU820KBA###KR
100	110			7.5			HAU101KBA###KR
150		10.0					HAU151KBA###KR
220		11.0					HAU221KBA###KR
330		12.5	3.5				HAU331KBA###KR
470		14.5					HAU471KBA###KR
560		16.5					HAU561KBA###KR
680		18.0					HAU681KBA###KR
Y5T (2D3)							
47				5.0	0.6	1.2	HAZ470#BA###KR
56							HAZ560#BA###KR
68							HAZ680#BA###KR
82							HAZ820#BA###KR
100		7.0					HAZ101#BA###KR
150		7.0					HAZ151#BA###KR
220							HAZ221#BA###KR
330	± 10, ± 20		3.0				HAZ331#BA###KR
470							HAZ471#BA###KR
680							HAZ681#BA###KR
1000		9.0					HAZ102#BA###KR
1500							HAZ152#BA###KR
2200		11.0					HAZ222#BA###KR
3300		13.0		7.5			HAZ332#BA###KR
4700		15.0					HAZ472#BA###KR

Revision: 14-May-2019 2 Document Number: 22161



www.vishay.com

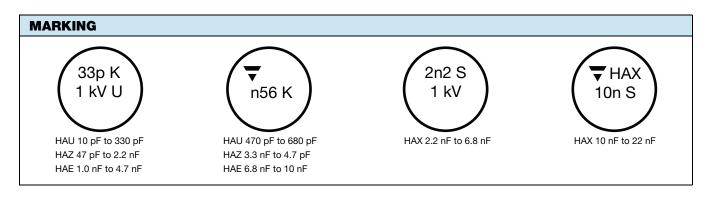
Vishay Draloric

ORDERING INFORMATION							
		BODY	BODY THICKNESS S _{max.} (mm)	LEAD SPACING ⁽¹⁾ F (mm) ± 1 mm	LEAD DIAMETER ⁽¹⁾ d (mm) ± 0.05 mm	WIDTH ⁽¹⁾ V (mm) ± 0.5 mm	ORDERING CODE
CAPACITANCE (pF)	TOLERANCE (%)	DIAMETER D _{max.} (mm)					MISSING DIGITS SEE ORDERING CODE BELOW
Y5U (2E3)							
1000		7.0					HAE102MBA###KR
1500		9.0	3.0	5.0	0.6	1.2	HAE152MBA###KR
2200		9.0					HAE222MBA###KR
3300	± 20	11.0					HAE332MBA###KR
4700							HAE472MBA###KR
6800		13.0		7.5			HAE682MBA###KR
10 000		15.0					HAE103MBA###KR
Y5V (2F3)	Y5V (2F3)						
2200		7.0			0.6	1.2	HAX222#BA###KR
3300		9.0		5.0			HAX332#BA###KR
4700	- 20 / + 50 ⁽²⁾						HAX472#BA###KR
6800		12.0	3.0	7.5			HAX682#BA###KR
10 000							HAX103#BA###KR
15 000		17.0		7.5			HAX153#BA###KR
22 000		18.0					HAX223#BA###KR

Notes

^{(2) ± 20 %} available on request

ORDERING CODE							
#	7 th digit	Capacitano	Capacitance tolerance		± 10 % = K, ± 20 % = M, - 20 % / + 50 % = S		
###	10 th to 12 th digit	Lead configuration		see "General Information"			
Example	HAU	101	K	ВА	BFG	К	R
	Series	Capacitance value	Tolerance code	Voltage code	Lead configuration	Internal code	RoHS compliant



RELATED DOCUMENTS	
General Information	www.vishay.com/doc?22001

⁽¹⁾ Standard lead configuration, other lead spacing and diameter available on request



Vishay

Disclaimer

ALL PRODUCT, PRODUCT SPECIFICATIONS AND DATA ARE SUBJECT TO CHANGE WITHOUT NOTICE TO IMPROVE RELIABILITY, FUNCTION OR DESIGN OR OTHERWISE.

Vishay Intertechnology, Inc., its affiliates, agents, and employees, and all persons acting on its or their behalf (collectively, "Vishay"), disclaim any and all liability for any errors, inaccuracies or incompleteness contained in any datasheet or in any other disclosure relating to any product.

Vishay makes no warranty, representation or guarantee regarding the suitability of the products for any particular purpose or the continuing production of any product. To the maximum extent permitted by applicable law, Vishay disclaims (i) any and all liability arising out of the application or use of any product, (ii) any and all liability, including without limitation special, consequential or incidental damages, and (iii) any and all implied warranties, including warranties of fitness for particular purpose, non-infringement and merchantability.

Statements regarding the suitability of products for certain types of applications are based on Vishay's knowledge of typical requirements that are often placed on Vishay products in generic applications. Such statements are not binding statements about the suitability of products for a particular application. It is the customer's responsibility to validate that a particular product with the properties described in the product specification is suitable for use in a particular application. Parameters provided in datasheets and / or specifications may vary in different applications and performance may vary over time. All operating parameters, including typical parameters, must be validated for each customer application by the customer's technical experts. Product specifications do not expand or otherwise modify Vishay's terms and conditions of purchase, including but not limited to the warranty expressed therein.

Hyperlinks included in this datasheet may direct users to third-party websites. These links are provided as a convenience and for informational purposes only. Inclusion of these hyperlinks does not constitute an endorsement or an approval by Vishay of any of the products, services or opinions of the corporation, organization or individual associated with the third-party website. Vishay disclaims any and all liability and bears no responsibility for the accuracy, legality or content of the third-party website or for that of subsequent links.

Except as expressly indicated in writing, Vishay products are not designed for use in medical, life-saving, or life-sustaining applications or for any other application in which the failure of the Vishay product could result in personal injury or death. Customers using or selling Vishay products not expressly indicated for use in such applications do so at their own risk. Please contact authorized Vishay personnel to obtain written terms and conditions regarding products designed for such applications.

No license, express or implied, by estoppel or otherwise, to any intellectual property rights is granted by this document or by any conduct of Vishay. Product names and markings noted herein may be trademarks of their respective owners.

单击下面可查看定价,库存,交付和生命周期等信息

>>Vishay(威世)