

**High Voltage Ceramic Capacitors (over 10kV)**

(Part Number) **DH S 4E 4D 142 K L2 B**  
① ② ③ ④ ⑤ ⑥ ⑦ ⑧

**① Product ID**

Product ID	
<b>DH</b>	High Voltage Ceramic Capacitors (over 10kV)

**② Series Category**

Code	Contents
<b>S</b>	Mold Type

First three digits of part number (①Product ID and ②Series Category) express "Series Name".

**③ Temperature Characteristics**

Code	Temp. Char.	Cap. Change or Temp. Coeff.	Temp. Range
<b>F4</b>	<b>Z5V</b>	+22%, -82%	+10 to +85°C
<b>4E</b>	<b>N4700</b>	-4700±1000ppm/°C	+20 to +85°C

**④ Rated Voltage**

Code	Rated Voltage
<b>4A</b>	DC10kV
<b>4C</b>	DC15kV
<b>4D</b>	DC20kV
<b>4F</b>	DC30kV
<b>4G</b>	DC40kV

**⑤ Capacitance**

Expressed by three figures. The unit is pico-farad (pF). The first and second figures are significant digits, and the third figure expresses the number of zeros which follow the two numbers.

**⑥ Capacitance Tolerance**

Code	Capacitance Tolerance
<b>K</b>	±10%
<b>M</b>	±20%
<b>Z</b>	+80%, -20%

**⑦ Body Diameter and Terminal Type**

Code	Body Diameter	Terminal Type
<b>C2</b>	20mm	ISO M4, P0.7 Tapped Holes (Metric Screw Thread)
<b>D2</b>	24mm	
<b>H2</b>	30mm	
<b>L2</b>	38mm	
<b>N2</b>	43mm	
<b>R2</b>	52mm	
<b>T2</b>	60mm	No.8-32, NC-2B Tapped Holes (Inch Screw Thread)
<b>CX</b>	20mm	
<b>DX</b>	24mm	
<b>HX</b>	30mm	
<b>LX</b>	38mm	
<b>RX</b>	52mm	
<b>TX</b>	60mm	

**⑧ Packaging**

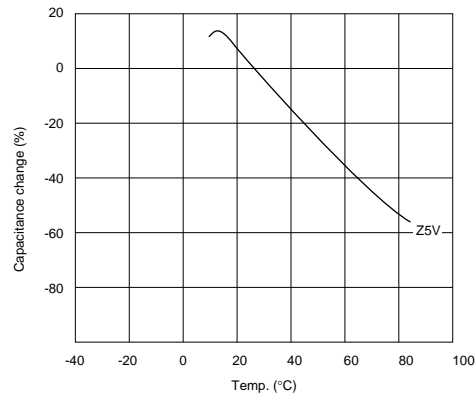
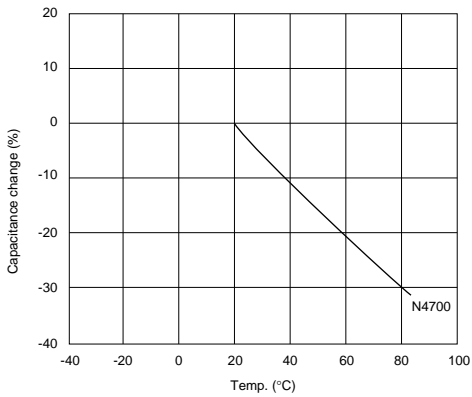
Code	Packaging
<b>B</b>	Bulk

**Note** • This PDF catalog is downloaded from the website of Murata Manufacturing co., Ltd. Therefore, it's specifications are subject to change or our products in it may be discontinued without advance notice. Please check with our sales representatives or product engineers before ordering.  
 • This PDF catalog has only typical specifications because there is no space for detailed specifications. Therefore, please approve our product specifications or transact the approval sheet for product specifications before ordering.

# High Voltage Ceramic Capacitors (10-40kV)

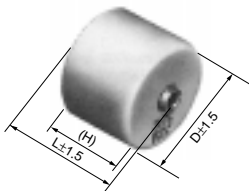
1  
Capacitors

● Typical Example of Temperature Characteristics



# High Voltage Ceramic Capacitors (10-40kV)

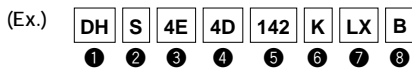
DHS Series



in mm

Operating Temp. Range -20°C to +85°C

● Part number configuration (Please see page 26 for details)



●DHS N4700 Series

Part Number	Capacitance (pF)	Capacitance Tolerance (%)	DC Rated Voltage (kV)	Dimensions (mm)			Terminal Type (Screw Thread Type)			
				D	L	H				
DHS4E4A561KC2B	560	±10	10	20	16	12	ISO M4, P0.7 (Metric Screw Thread)			
DHS4E4A122KH2B	1200			30						
DHS4E4A282KL2B	2800			38						
DHS4E4A502KR2B	5000			52						
DHS4E4A802KT2B	8000			60						
DHS4E4A561MCXB	560	±20		20				16	12	No.8-32, NC-2B (Inch Screw Thread)
DHS4E4A122MHXB	1200			30						
DHS4E4A282MLXB	2800			38						
DHS4E4A502MRXB	5000			52						
DHS4E4A802MTXB	8000			60						
DHS4E4C371KC2B	370	±10	15	20	18	14	ISO M4, P0.7 (Metric Screw Thread)			
DHS4E4C112KH2B	1100			30						
DHS4E4C192KL2B	1900			38						
DHS4E4C342KR2B	3400			52						
DHS4E4C532KT2B	5300			60						
DHS4E4C371MCXB	370	±20		20			18	14	No.8-32, NC-2B (Inch Screw Thread)	
DHS4E4C112MHXB	1100			30						
DHS4E4C192MLXB	1900			38						
DHS4E4C342MRXB	3400			52						
DHS4E4C532MTXB	5300			60						
DHS4E4D281KC2B	280	±10	20	20	24	20			ISO M4, P0.7 (Metric Screw Thread)	
DHS4E4D881KH2B	880			30						
DHS4E4D142KL2B	1400			38						
DHS4E4D252KR2B	2500			52						
DHS4E4D402KT2B	4000			60						
DHS4E4D281MCXB	280	±20		20			24	20	No.8-32, NC-2B (Inch Screw Thread)	
DHS4E4D881MHXB	880			30						
DHS4E4D142MLXB	1400			38						
DHS4E4D252MRXB	2500			52						
DHS4E4D402MTXB	4000			60						
DHS4E4F191KC2B	190	±10	30	20	28	24			ISO M4, P0.7 (Metric Screw Thread)	
DHS4E4F591KH2B	590			30						
DHS4E4F941KL2B	940			38						
DHS4E4F172KR2B	1700			52						
DHS4E4F272KT2B	2700			60						
DHS4E4F191MCXB	190	±20		20			28	24	No.8-32, NC-2B (Inch Screw Thread)	
DHS4E4F591MHXB	590			30						
DHS4E4F941MLXB	940			38						
DHS4E4F172MRXB	1700			52						
DHS4E4F272MTXB	2700			60						
DHS4E4G141KC2B	140	±10	40	20	36	32			ISO M4, P0.7 (Metric Screw Thread)	
DHS4E4G441KH2B	440			30						
DHS4E4G701KL2B	700			38						
DHS4E4G132KR2B	1300			52						
DHS4E4G202KT2B	2000			60						
DHS4E4G141MCXB	140	±20		20			36	32	No.8-32, NC-2B (Inch Screw Thread)	
DHS4E4G441MHXB	440			30						
DHS4E4G701MLXB	700			38						
DHS4E4G132MRXB	1300			52						
DHS4E4G202MTXB	2000			60						

△Note • This PDF catalog is downloaded from the website of Murata Manufacturing co., Ltd. Therefore, it's specifications are subject to change or our products in it may be discontinued without advance notice. Please check with our sales representatives or product engineers before ordering.  
• This PDF catalog has only typical specifications because there is no space for detailed specifications. Therefore, please approve our product specifications or transact the approval sheet for product specifications before ordering.

**● DHS Z5V Series**

Part Number	Capacitance (pF)	Capacitance Tolerance (%)	DC Rated Voltage (kV)	Dimensions (mm)			Terminal Type (Screw Thread Type)						
				D	L	H							
DHSF44D601ZD2B	600	+80, -20	20	24	26	24	ISO M4, P0.7 (Metric Screw Thread)						
DHSF44D102ZH2B	1000			30									
DHSF44D242ZN2B	2400			43									
DHSF44D332ZR2B	3300			52									
DHSF44D482ZT2B	4800			60									
DHSF44D601ZDXB	600			24									
DHSF44D102ZHXB	1000			30									
DHSF44D242ZNXB	2400			43									
DHSF44D332ZRXB	3300			52									
DHSF44D482ZTXB	4800			60									
DHSF44F461ZD2B	460			30				30	24	34	32	ISO M4, P0.7 (Metric Screw Thread)	
DHSF44F781ZH2B	780								30				
DHSF44F182ZN2B	1800		43										
DHSF44F252ZR2B	2500		52										
DHSF44F362ZT2B	3600		60										
DHSF44F461ZDXB	460		24										
DHSF44F781ZHXB	780		30										
DHSF44F182ZNXB	1800		43										
DHSF44F252ZRXB	2500		52										
DHSF44F362ZTXB	3600		60										
DHSF44G341ZD2B	340		40		41	24	39		39				ISO M4, P0.7 (Metric Screw Thread)
DHSF44G571ZH2B	570					30							
DHSF44G132ZN2B	1300			43									
DHSF44G192ZR2B	1900			52									
DHSF44G272ZT2B	2700	60											
DHSF44G341ZDXB	340	24											
DHSF44G571ZHXB	570	30											
DHSF44G132ZNXB	1300	43											
DHSF44G192ZRXB	1900	52											
DHSF44G272ZTXB	2700	60											

**● Applications**

1. Lasers
2. High Voltage DC power supplies