



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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K...H Sample Kit

High Operating Temperature Radial Leaded Multilayer Ceramic Capacitors for Automotive Applications, 50 V_{DC}, 100 V_{DC}, 200 V_{DC}



The sample kit contains a total of 24 different K...H series capacitors, which differ in voltage, capacitance value, and dielectric, 10 pieces each.

FEATURES

- AEC-Q200 qualified with PPAP available
- High reliability MLCC insert with wet build process
- High operating temperature up to 175 °C
- High capacitance with small size
- Radial mounting style
- Crimp and straight leadstyles
- Material categorization: for definitions of compliance please see www.vishay.com/doc?99912

AUTOMOTIVE GRADE



RoHS COMPLIANT
HALOGEN FREE

SPECIFICATIONS	
Part number	HOTC-KIT-KH
Capacitors type	Radial leaded multilayer ceramic capacitor for automotive applications
Temperature coefficient	Refer to specified ceramic type
Tolerance	5 %, 10 %, 20 %
Capacitance range	Refer to below table
Operating temperature range	-55 °C to +175 °C (voltage derating above 150 °C)
Number of capacitors	24

Note

- The products are specified by the underlying datasheet “K...H Series” in its latest edition at www.vishay.com/doc?45211

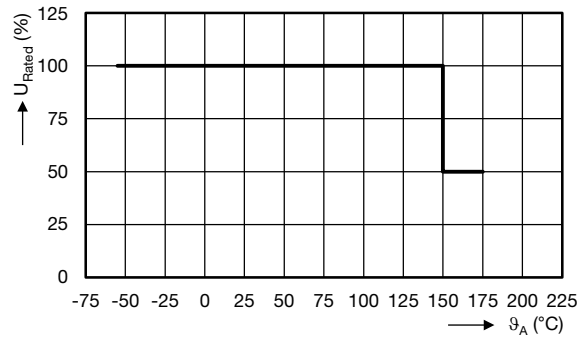
CAPACITANCE VALUE LIST					
PART NUMBER	CAPACITANCE (pF)	VOLTAGE (V)	TOLERANCE (%)	DIELECTRIC	LEAD SPACING (mm)
K101J15C0GF53H5H	100	50	± 5	C0G	5
K471J15C0GF53H5H	470	50	± 5	C0G	5
K102J15C0GF53H5H	1000	50	± 5	C0G	5
K472J20C0GF63H5H	4700	50	± 5	C0G	5
K123J20C0GF63H5H	12 000	50	± 5	C0G	5
K101J15C0GH53H5H	100	100	± 5	C0G	5
K471J15C0GH53H5H	470	100	± 5	C0G	5
K102J15C0GH53H5H	1000	100	± 5	C0G	5
K472J20C0GH63H5H	4700	100	± 5	C0G	5
K103J20C0GH63H5H	10 000	100	± 5	C0G	5
K101J15C0GK53H5H	100	200	± 5	C0G	5
K471J15C0GK53H5H	470	200	± 5	C0G	5
K102J15C0GK53H5H	1000	200	± 5	C0G	5
K472J20C0GK63H5H	4700	200	± 5	C0G	5
K822J20C0GK63H5H	8200	200	± 5	C0G	5
K473K15X0UF53H5H	47 000	50	± 10	X0U	5
K104K15X0UF53H5H	100 000	50	± 10	X0U	5
K474K20X0UF63H5H	470 000	50	± 10	X0U	5
K105K20X0UF63H5H	1 000 000	50	± 10	X0U	5
K473K15X0UH53H5H	47 000	100	± 10	X0U	5
K104K15X0UH53H5H	100 000	100	± 10	X0U	5
K474K20X0UH63H5H	470 000	100	± 10	X0U	5
K104K20X0UK63H5H	100 000	200	± 10	X0U	5
K184K20X0UK63H5H	180 000	200	± 10	X0U	5

Note

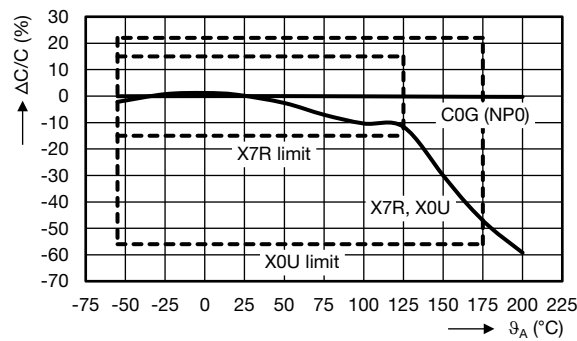
- The product can be ordered using the PART NUMBER



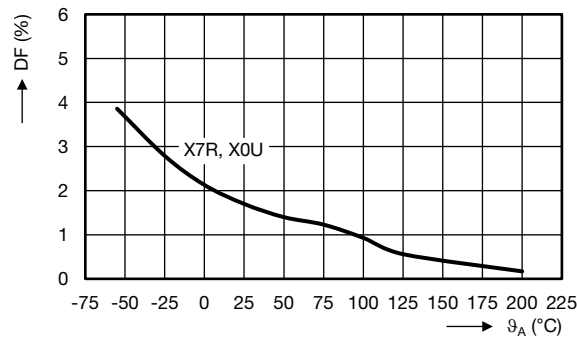
RATED VOLTAGE VS. TEMPERATURE (Typical)



CAPACITANCE CHANGE VS. TEMPERATURE (Typical)



DISSIPATION FACTOR VS. TEMPERATURE (Typical)



INSULATION RESISTANCE VS. TEMPERATURE (Typical)

