

Certificate of Compliance

Environment protection is of outmost importance for the preservation of nature for future generations. Vishay Ceramic Capacitor Division is committed to conducting its worldwide operations in a socially responsible manner in order to protect environment and safety and health of its employees and public. Vishay Ceramic Capacitor Division confirms that the product families (listed in detail in table1)

**Ceramic Disc Capacitors (BCcomponents, Cera-Mite, Draloric & Roederstein)
Ceramic Single Layer Capacitors (Draloric)
Leaded Multi-Layer Ceramic Capacitors (BCcomponents)**

and package materials are in compliance with the requirements of EU-directives

- 2000/53/EC (ELV)
- 2002/95/EC (RoHS)
- 2002/96/EC (WEEE)

There is no use or addition into components of prohibited substances

- Lead and Lead compounds *)
- Cadmium and Cadmium compounds
- Mercury and Mercury compounds
- Hexavalent Chromium compounds
- Polybrominated Biphenyls (PBB) and Polybrominated Diphenylethers (PBDE)
- Fluorinated Polymers
- (Poly-)Chlorinated Biphenyls, Terphenyls, Naphthalenes, Phenols and Paraffins
- Arsenic-, Beryllium-, Selenium-, and Cobalt-compounds
- Organic Tin compounds
- Asbestos
- Azo compounds
- Formaldehyde
- Radioactive substances
- Ozone depleting chemicals
- PVC

at any step of the manufacturing process.

Maximum concentration levels as fixed in 2000/53/EC AnnexII and 2005/618/EC

- 1000 ppm for Lead-, Chromium- and Mercury-compounds *)
- 100 ppm for Cadmium-compounds
- 1000 ppm for PBB and PBDE

are kept for the whole part and each homogeneous material.

Notes concerning other relevant substances:

- Coating materials may contain Antimony Oxide and/or Brominated Flame Retardants (other than PBB and PBDE).
- Bismuth compounds may be part of ceramic dielectrics.
- Nickel barrier layer on lead wires is not subject to skin contact if components are used properly.

Material declaration data provided by Ceramic Capacitor Division are based on the time being and reported to the best knowledge and belief. Reportable, banned and restricted substances as defined by customer or common regulations are declared and proved to be accurate.

*) Exemptions ELV Annex II (14) and RoHS Annex (5) and (7) - Lead compounds in a glass or ceramic matrix of electronic components - apply to abovementioned products.

Table 1: RoHS-Compliant Product Series of Ceramic Capacitors Division

Product Line	Series Designation	PN Code for RoHS
Ceramic Disc Capacitors (Draloric & Roederstein)		
DC Class 1 Dielectric	RLA - RLZ, RUA - RUZ, SDPT, SDPU, SDPN, SDRN	last digit of clear text ordering code is "R"
HV Class 1 Dielectric	HAU, HBU, HCU, HDU, HEU, HFU	14 th digit of clear text ordering code is "R"
DC & HV Class 2 Dielectric	HSE, HSZ, HAE, HAX, HAZ, HBE, HBX, HBZ, HCE, HCX, HCZ, HDE, HEE, HFE, HFZ, HGZ, HHZ, HIZ	14 th digit of clear text ordering code is "R"
Pulse Class 1&2 Dielectric	IEL, IBC, IAK, HAK, HBK, HCK, HIK	14 th digit of clear text ordering code is "R"
RFI Safety Standard Approved	W1X, WYO, VKO, VKP, WKO, WKP ERO, ERK, ERP	14 th digit of clear text ordering code is "R"
Ceramic Single Layer Capacitors (Draloric)		
Tubular Capacitors	RLL, RLT, RPT, RQL, RQT, MLL, MLT	last digit of clear text ordering code is "R"
Feed-Through and Filter Capacitors	DDLK, DDML, DDMZ, DDNL, DUML, DVML, DVZL, DZML	last digit of clear text ordering code is "R"
Ceramic Disc Capacitors (Cera-Mite)		
DC & HV Class 1&2 Dielectric	561R, 562R, 564R, 565R, 615R, 660R GA, HK, TC, TG, TS, 1DF0, 2DF0, 3DF0	Series Designation 56.R/6..R obligatory
AC Line Rated, Safety	440L, 30LV, 30LVS, 25Y, 125L, 20VL	Vishay Cera-Mite N ^o ends with "-R"
Ceramic Disc Capacitors (BCcomponents)		
LV Class 1&2 Diel., General Purpose	D...	16 th digit of clear text ordering code is "R"
HV Class 1&2 Diel., General Purpose	S...	16 th digit of clear text ordering code is "R"
HV Class 2 Diel., General Purpose	H...	16 th digit of clear text ordering code is "R"
HV Class 2 Diel., Low Loss	F...	16 th digit of clear text ordering code is "R"
Safety, Series DP, DN, DS	S...	16 th digit of clear text ordering code is "R"
Gap-Cap	S...	16 th digit of clear text ordering code is "R"
RFI Safety Standard Approved	VY1, VY2	
Leaded Multi-Layer Ceramic Capacitors (BCcomponents)		
Mono-Axial	A...	
Mono-Kap (radial)	K...	



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 Alfons Harpaintner
 Sr. Mgr. R&D and Engineering
 Ceramic Capacitor Division