



Registration, Evaluation, Authorization, and Restriction of Chemicals (REACH)

Dear Customer,

The Vishay Aluminum Capacitor and Energy Storage part numbers / series as listed in the Annex do NOT contain any of the total of 168 substances of the REACH Candidate List of Substances of Very High Concern (SVHC) in more than 0.1 % wt/wt as defined by the REACH Directive:

as published in ECHA/PR/08/38 of Oct 28, 2008;
and as published in ECHA/PR/10/01 of Jan 13, 2010;
and as published in ECHA/PR/10/05 of March 30, 2010;
and as published in ECHA/PR/10/12 of June 18, 2010;
and as published in ECHA/PR/10/26 of Dec 15, 2010;
and as published in ECHA/PR/11/15 of June 20, 2011;
and as published in ECHA/PR/11/26 of Dec 19, 2011;
and as published in ECHA/PR/12/16 of June 18, 2012;
and as published in ECHA/PR/12/39 of Dec 19, 2012;
and as published in ECHA/PR/13/26 of June 20, 2013;
and as published in ECHA/PR/13/40 of Dec 16, 2013;
and as published in ECHA/PR/14/11 of June 16, 2014;
and as published in ECHA/PR/14/18 of Dec 17, 2014;
and as published in ECHA/PR/15/09 of June 15, 2015;
and as published in ECHA/PR/15/18 of Dec 17, 2015.

<http://echa.europa.eu/web/guest/candidate-list-table>

The Vishay Aluminum Capacitor part numbers / series as listed in the Annex also do NOT contain any of the substances of the REACH Authorization List in the REACH Directive Annex XIV.

This data is accurate to the best of our knowledge.

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ANNEX

VISHAY BCCOMPONENTS	
SERIES	REACH-168 COMPLIANT PART NUMBER
Radial	MAL2013xxxxE3
	MAL2038xxxxE3
	MAL2046xxxxE3
	MAL2047xxxxE3
	MAL2048xxxxE3
	MAL2097xxxxE3
	MAL2116xxxxE3
	excluding MAL2116x9xxxE3 (100 V _R)
	MAL2134xxxxE3
	MAL2136xxxxE3
	MAL2140xxxxE3
	MAL2142xxxxE3
	MAL2146xxxxE3
	MAL2148xxxxE3
	MAL2150xxxxE3
	MAL2151xxxxE3
MAL2152xxxxE3	
MAL2246xxxxE3	
MAL2250xxxxE3	
Axial	MAL2021xxxxE3
	excluding MAL2021x9xxxE3 (100 V _R)
	MAL2030xxxxE3
	excluding MAL2030x9xxxE3 (100 V _R)
	MAL2031xxxxE3
SMD	excluding MAL2031x9xxxE3 (100 V _R)
	MAL2120xxxxE3
	excluding MAL2120x9xxxE3 (100 V _R)
	MAL214095xxxE3, 97xxxE3, 99xxxE3
	MAL214699xxxE3
	MAL215095xxxE3, 97xxxE3, 99xxxE3
	MAL21536xxxxE3
	MAL21537xxxxE3
	MAL216099xxxE3
	MAL218097xxxE3
MAL218197xxxE3	
SI, PW, and SL	MAL2246xxxxE3
	MAL2250xxxxE3
	MAL2260xxxxE3
	MAL2050xxxxE3
	MAL2051xxxxE3
	MAL2052xxxxE3
	MAL2053xxxxE3
	MAL2056xxxxE3
	MAL2057xxxxE3
	MAL2058xxxxE3
	MAL2059xxxxE3
	MAL2093xxxxE3
	MAL2094xxxxE3
	MAL2095xxxxE3
	MAL2096xxxxE3
	MAL2156xxxxE3
	MAL2157xxxxE3
	MAL2158xxxxE3
	MAL2159xxxxE3
	MAL2162xxxxE3
MAL2163xxxxE3	
MAL2193xxxxE3	
MAL2198xxxxE3	
MAL2199xxxxE3	
MAL2256xxxxE3	



VISHAY BCCOMPONENTS	
SERIES	REACH-168 COMPLIANT PART NUMBER
ST	MAL2101xxxxE3
	MAL2102xxxxE3
	MAL2103xxxxE3
	MAL2104xxxxE3
	MAL2106xxxxE3
	MAL2500xxxxE3
SAL	MAL2123xxxx
	MAL2123xxxxE3
	MAL2128xxxxE3
Double layer capacitors	MAL2196xxxxE3
	MAL2220xxxxE3
Accessories (clamps, cap nuts, washers)	MAL8043055xxE3
	MAL804313001E3
	MAL8043240xxE3
	MAL804323321E3
	MAL804324921E3

VISHAY SPRAGUE	
SERIES	REACH-168 COMPLIANT PART NUMBER
Axial	30D (all PNs)
	34D (all PNs)
	39D (all PNs)
	40D (all PNs)
	53D (all PNs)
	54D (all PNs)
	500D (all PNs)
	516D (all PNs)
	600D (all PNs)
	610D (all PNs)
	601D (all PNs)
	604D (all PNs)
	TVA (all PNs)
	TE (all PNs)
Radial	510D (all PNs)
	510DX (all PNs)
	511D (all PNs)
	515D (all PNs)
	517D (all PNs)
	672D (all PNs)
	678D (all PNs)
	757D (all PNs)
SI	80D (all PNs)
ST	36D (all PNs)
	36DX (all PNs)
	36DE (all PNs)
	36DY (all PNs)



VISHAY ROEDERSTEIN	
SERIES	REACH-168 COMPLIANT PART NUMBER
Radial	MALREKA and EKA (all PNs)
	MALREKB and EKB (all PNs)
	MALREKC and EKC (all PNs)
	MALREKE and EKE (all PNs)
	MALREKV and EKV (all PNs)
SMD	MALSECA and ECA (all PNs)
	MALSECL and ECL (all PNs)
	MALSECV and ECV (all PNs)
SI, PW, and SL	MALIEYH and EYH (all PNs)
	MALIEYK and EYK (all PNs)
	MALIEYN and EYN (all PNs)
	MALIEYV and EYV (all PNs)

VISHAY OS-CON	
SERIES	REACH-168 COMPLIANT PART NUMBER
SMD	94SVP (all PNs)
	94SVPD (all PNs)