

**Material data declaration / Umbrella specification / IC**

<b>Product</b>	<b>Product name/ family name</b>	Aluminium Electrolytic Capacitor / SMD (ERS, ERS, ERS, ERSY)	<b>Content of the declaration</b>	Composition declaration
	<b>Identifier</b>	SMD / ERS / 10,2 x 10,0 (Diameter x L [mm])	<b>Version IEC Database</b>	n.A.
	<b>Package</b>			

<b>Company</b>	<b>Company</b>	FROLYT Kondensatoren und Bauelemente GmbH	<b>Date / Version</b>	12.08.2019 / 1.2
		D-09599 Freiberg, Dammstraße 46		
	<b>Contact</b>	<a href="mailto:info@frolyt.de">mailto:info@frolyt.de</a>	<b>Mass</b>	1300
	<b>Authorizer</b>	S. Müller, susann.mueller@frolyt.de	<b>Unit</b>	mg

Item / SubItem Name	ProductPart	Weight [mg]	Material name	Classification	Weight [mg]	Mass Percent	Substance Name	CAS #	Weight [mg]	Mass Percent
SMD-Aluminium Electrolytic Capacitor	Active Part	507	Al-foil		283,4	21,8	Aluminium	7429-90-5	283,4	100
			Electrolyt		171,6	13,2	Ethylene Glycol	25322-68-3	17,16	10
							Gamma-Butyrolacton	96-48-0	128,7	75
							various additives (proprietary)		25,74	15
	Encapsulation	652,6	Al-case (coated)		374,4	28,8	Aluminium	7429-90-5	374,4	100
			Rubber		278,2	21,4	IIR (Butyl rubber)		278,2	100
	Termination	140,4	Fe (Sn coated) wire		16,9	1,3	Iron	7439-89-6	16,9	100
			Terminal		123,5	9,5	PPS		123,5	100

<b>Legal evaluation</b>	<b>RoHS</b>	The product fulfill the substance requirement
	<b>REACH</b>	The product does not contain substances named in Annex XVII and the candidate list of REACH above the reportable or restricted threshold values
	<b>Biocide regulation (528/2012/EU)</b>	The product does not contain substances which have been added to achieve biocidal function
<b>Comment</b>	<p>This material content declaration contains typical values of the respective groups as defined above. We expressly point out, that the values and statements contained herein are based on our best present knowledge and cannot be regarded as binding elements or binding product specifications, unless otherwise explicitly agreed in writing.</p> <p>This full material declaration is based on information provided by third parties and reasonable steps have been taken to provide representative and accurate information.</p> <p>The suppliers consider certain information to be proprietary, and thus CAS numbers and other limited information may not be available.</p> <p>all statements are based on our best present knowledge, are provided 'as is' and may be subject to change at any time due to technical requirements and development.</p>	

<b>Umbrella Specification</b> (composition could be used also for the following parts)	
Identifier	Weight [mg]
ERSM / 8,9 x 10,0 (Diameter x L [mm])	930
ERS / ERS / ERSY / 10,2 x 12,0 (Diameter x L [mm])	1500
ERS / ERS / ERSY / 8,9 x 12,0 (Diameter x L [mm])	1100