

Material Content Data Sheet

RoHS

Sales Product Name	F8-99MR07W1D7_B11A	**Issued**	15.07.2024
SP#	SP005742275	**Revision**	02
Package	Easy1B ATV	**Weight***	23 g

Construction element	*Material group*	*CAS-Nr. if applicable*	*Materials*	*Average mass [%]**	*Sum [%]*	*Comment*
semiconductors	inorganic material	7440-21-3	silicon	0,227%	0,259%	
	non noble metal	7429-90-5	aluminum	0,011%		
	non noble metal	7440-02-0	nickel	0,011%		
	inorganic material	-	other	0,010%		no duty of declaration
substrate	non noble metal	7440-50-8	copper	22,435%	30,584%	
	inorganic material	1344-28-1	aluminum oxide	8,066%		
	inorganic material	-	other	0,084%		no duty of declaration
bond wire	non noble metal	7429-90-5	aluminum	0,174%	0,175%	
	inorganic material	-	other	0,001%		no duty of declaration
silicone compounds	polymers	-	silicone-rubber VMQ	15,301%	15,783%	
	inorganic material	-	other	0,299%		no duty of declaration
	inorganic material	112945-52-5	amorphous, pyrogenetic silica	0,183%		
housing and clips	polymers	-	PBT	18,050%	45,129%	
	inorganic material	-	glass fiber	11,645%		
	inorganic material	-	ISO 1043-4 FR(17) aromatic brominated compounds (excluding brominated diphenyl ether and biphenyls) in combination with antimony compounds, not declarable	6,017%		
	non noble metal	7439-89-6	iron	4,525%		
	inorganic material	1309-64-4	antimonious trioxide	2,329%		
	non noble metal	7440-47-3	chrome	1,105%		
	inorganic material	-	further additives	0,582%		no duty of declaration
	non noble metal	7440-02-0	nickel	0,489%		
	polymers	9002-84-0	Ethene, tetrafluoro-, homopolymer	0,194%		
	inorganic material	7440-21-3	silicon	0,063%		
	non noble metal	7439-96-5	manganese	0,063%		
	non noble metal	7440-50-8	copper	0,032%		
	non noble metal	7439-98-7	molybdenum	0,025%		
	inorganic material	7440-44-0	carbon	0,006%		
	inorganic material	7727-37-9	nitrogen	0,003%		
	inorganic material	7723-14-0	phosphor	0,001%		
	inorganic material	7704-34-9	sulfur	<0,001%		
control pins/rivets	non noble metal	7440-50-8	copper	7,065%	7,388%	
	non noble metal	7440-31-5	tin	0,263%		
	non noble metal	7440-02-0	nickel	0,031%		
	inorganic material	7723-14-0	phosphor	0,013%		
	inorganic material	-	other	0,006%		no duty of declaration
	non noble metal	7440-66-6	zinc	0,006%		
	non noble metal	7439-89-6	iron	0,003%		
	non noble metal	7439-92-1	lead	0,001%		Concentration within acceptable GADSL limits
	inorganic material	7440-44-0	carbon	<0,001%		
	inorganic material	7704-34-9	sulfur	<0,001%		
SMD components	non noble metal	7439-89-6	iron	0,042%	0,170%	
	non noble metal	7440-02-0	nickel	0,040%		
	inorganic material	1317-36-8	lead monoxide	0,039%		RoHS compliant; according to exception 7(c)-I
	inorganic material	14808-60-7	silica	0,023%		
	non noble metal	7440-50-8	copper	0,019%		
	inorganic material	12136-45-7	dipotassium oxid	0,003%		
	non noble metal	7440-31-5	tin	0,002%		
	inorganic material	-	other	0,001%		no duty of declaration
	inorganic material	1309-64-4	antimonious trioxide	<0,001%		
	inorganic material	1313-99-1	nickel monoxide	<0,001%		
	inorganic material	1317-35-7	trimanganese tetraoxide	<0,001%		
	inorganic material	1308-06-1	tricobalt tetraoxide	<0,001%		
	noble metal	7440-57-5	gold	<0,001%		
tin solder	non noble metal	7440-31-5	tin	0,489%	0,512%	
	noble metal	7440-22-4	silver	0,018%		
	inorganic material	-	other	0,005%		no duty of declaration
*deviation	<5%		Sum in total:		100%	

Important Remarks:

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This product is in compliance with End-of-Life Vehicle (ELV) Directive 2000/53/EG and the ELV Annex II (2016/774/EU) and contains Pb according ELV Annex II (2016/774/EU) exemption 10(a), Electrical and electronic components which contain lead in a glass or ceramic, in a glass or ceramic matrix compound, in a glass ceramic material, or in a glass-ceramic matrix compound.

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