

Material Content Data Sheet

RoHS

Sales Product Name	FS17MR12W2M1H_B11_A	**Issued**	09.04.2025
SP#	SP005958141	**Revision**	01
Package	Easy2B ATV	**Weight***	41 g

Construction element	*Material group*	*CAS-Nr. if applicable*	*Materials*	*Average mass [%]**	*Sum [%]*	*Comment*
semiconductors	inorganic material	409-21-2	silicon-carbide	0,186%	0,203%	
	non noble metal	7429-90-5	aluminum	0,006%		
	non noble metal	7440-02-0	nickel	0,005%		
	inorganic material	-	other	0,004%		no duty of declaration
	noble metal	7440-22-4	silver	0,001%		
substrate	non noble metal	7440-50-8	copper	20,347%	28,333%	
	inorganic material	1344-28-1	aluminum oxide	7,905%		
	inorganic material	-	other	0,082%		no duty of declaration
bond wire	non noble metal	7429-90-5	aluminum	0,196%	0,196%	
silicone compounds	polymers	-	silicone-rubber VMQ	14,573%	14,968%	
	inorganic material	-	other	0,290%		no duty of declaration
	inorganic material	112945-52-5	amorphous, pyrogenetic silica	0,106%		
housing and clips	polymers	-	PBT	23,065%	52,509%	
	inorganic material	-	glass fiber	14,722%		
	inorganic material	-	halogen compounds	7,606%		
	inorganic material	1309-64-4	antimonious trioxide	2,944%		
	non noble metal	7439-89-6	iron	2,555%		
	inorganic material	-	further additives	0,736%		no duty of declaration
	non noble metal	7440-47-3	chrome	0,584%		
	non noble metal	7440-02-0	nickel	0,240%		
	non noble metal	7439-96-5	manganese	0,034%		
	inorganic material	7440-21-3	silicon	0,017%		
	inorganic material	7440-44-0	carbon	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	2,970%	3,141%	
	non noble metal	7440-31-5	tin	0,117%		
	non noble metal	7440-02-0	nickel	0,042%		
	inorganic material	7723-14-0	phosphor	0,005%		
	inorganic material	-	other	0,003%		no duty of declaration
	non noble metal	7440-66-6	zinc	0,002%		
	non noble metal	7439-89-6	iron	0,001%		
	non noble metal	7439-92-1	lead	<0,001%		Concentration within acceptable GADSL limits
SMD components	non noble metal	7439-89-6	iron	0,024%	0,097%	
	non noble metal	7440-02-0	nickel	0,023%		
	inorganic material	1317-36-8	lead monoxide	0,022%		RoHS compliant; according to exception 7(c)-I
	inorganic material	14808-60-7	silica	0,013%		
	non noble metal	7440-50-8	copper	0,011%		
	inorganic material	12136-45-7	dipotassium oxid	0,002%		
	non noble metal	7440-31-5	tin	0,001%		
	inorganic material	-	other	0,001%		no duty of declaration
tin solder	non noble metal	7440-31-5	tin	0,519%	0,552%	
	non noble metal	7440-36-0	antimony	0,028%		
	inorganic material	-	other	0,006%		no duty of declaration
*deviation	<5%			Sum in total:	100,0%	

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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