

Material Content Data Sheet

RoHS

Sales Product Name	FZ35R12W1T4_B18/A	**Issued**	20.02.2023
SP#	SP005740418	**Revision**	01
Package	Easy1B ATV	**Weight***	23,5 g

Construction element	***Material group***	***CAS-Nr.*** *if applicable*	***Materials***	***Average mass [%]****	***Sum [%]***	***Comment***
semiconductors	non noble metal	7440-21-3	silicon	0,216%	0,247%	
	non noble metal	7429-90-5	aluminum	0,010%		
	inorganic material	-	other	0,010%		no duty of declaration
	non noble metal	7440-02-0	nickel	0,010%		
substrate	non noble metal	7440-50-8	copper	22,321%	30,413%	
	inorganic material	1344-28-1	aluminum oxide	8,009%		
	inorganic material	-	other	0,083%		no duty of declaration
bond wire	non noble metal	7429-90-5	aluminum	0,211%	0,212%	
	inorganic material	-	other	0,001%		no duty of declaration
silicone compounds	polymers	-	silicone-rubber VMQ	15,277%	15,757%	
	inorganic material	-	other	0,298%		no duty of declaration
	inorganic material	112945-52-5	amorphous, pyrogenetic silica	0,182%		
housing and clips	polymers	-	PBT	18,116%	44,814%	
	inorganic material	-	glass fiber	11,564%		
	inorganic material	-	halogen compounds	5,975%		
	non noble metal	7439-89-6	iron	4,493%		
	inorganic material	1309-64-4	antimonious trioxide	2,313%		
	non noble metal	7440-47-3	chrome	1,097%		
	inorganic material	-	further additives	0,578%		no duty of declaration
	non noble metal	7440-02-0	nickel	0,486%		
	non noble metal	7440-21-3	silicon	0,063%		
	non noble metal	7439-96-5	manganese	0,063%		
	non noble metal	7440-50-8	copper	0,031%		
	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%		
control pins/rivets	non noble metal	7440-50-8	copper	6,770%	7,079%	
	non noble metal	7440-31-5	tin	0,252%		
	non noble metal	7440-02-0	nickel	0,030%		
	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
SMD components	non noble metal	7439-89-6	iron	0,041%	0,168%	
	non noble metal	7440-02-0	nickel	0,039%		
	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
tin solder	non noble metal	7440-31-5	tin	1,234%	1,313%	
	non noble metal	7440-36-0	antimony	0,066%		
	inorganic material	-	other	0,013%		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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