

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	1ED3321MC12N	**Issued**	28. January 2022
MA#	MA005590301		
Package	PG-DSO-16-40	**Weight***	447.52 mg

Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]
chip_1	inorganic material	silicon	7440-21-3	1.371	0.31	0.31	3063	3063
chip_2	inorganic material	silicon	7440-21-3	1.806	0.40	0.40	4035	4035
leadframe	inorganic material	phosphorus	7723-14-0	0.036	0.01		80	
	non noble metal	zinc	7440-66-6	0.142	0.03		318	
	non noble metal	iron	7439-89-6	2.846	0.64		6361	
	non noble metal	copper	7440-50-8	115.580	25.83	26.51	258268	265027
wire	non noble metal	copper	7440-50-8	0.409	0.09	0.09	914	914
encapsulation	organic material	carbon black	1333-86-4	1.604	0.36		3585	
	plastics	epoxy resin	-	32.086	7.17		71699	
	inorganic material	silicondioxide	60676-86-0	287.174	64.16	71.69	641702	716986
leadfinish	non noble metal	tin	7440-31-5	2.290	0.51	0.51	5116	5116
plating	noble metal	silver	7440-22-4	0.449	0.10	0.10	1002	1002
glue	plastics	epoxy resin	-	0.432	0.10		964	
	noble metal	silver	7440-22-4	1.295	0.29	0.39	2893	3857
*deviation	< 10%				Sum in total:	100.00		1000000

Important Remarks:

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This product is in compliance with EU Directive 2015/863/EU amending Annex II to EU Directive 2011/65/EU (RoHS) and does not use any exemption

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