

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	1ED3431MC12M	**Issued**	23. June 2021
MA#	MA005448729		
Package	PG-DSO-16-33	**Weight***	294.04 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	3.598	1.22	1.22	12236	12236
chip_2	inorganic material	silicon	7440-21-3	2.307	0.78	0.78	7846	7846
leadframe	inorganic material	phosphorus	7723-14-0	0.029	0.01		98	
	non noble metal	zinc	7440-66-6	0.115	0.04		392	
	non noble metal	iron	7439-89-6	2.308	0.78		7849	
	non noble metal	copper	7440-50-8	93.715	31.87	32.70	318715	327054
wire	non noble metal	copper	7440-50-8	0.315	0.11	0.11	1070	1070
encapsulation	organic material	carbon black	1333-86-4	0.933	0.32		3174	
	plastics	epoxy resin	-	18.665	6.35		63477	
	inorganic material	silicondioxide	60676-86-0	167.049	56.81	63.48	568117	634768
leadfinish	non noble metal	tin	7440-31-5	2.170	0.74	0.74	7378	7378
plating	noble metal	silver	7440-22-4	0.383	0.13	0.13	1304	1304
glue	plastics	epoxy resin	-	0.613	0.21		2086	
	noble metal	silver	7440-22-4	1.840	0.63	0.84	6258	8344
*deviation	< 10%				Sum in total:	100.00		1000000

Important Remarks:

1. Infineon Technologies AG provides full material declaration based on information provided by third parties and has taken and continues to take reasonable steps to provide representative and accurate information.
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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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