

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	1ED3860MC12M	**Issued**	23. June 2021
MA#	MA005448732		
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.
2. Infineon Technologies AG and Infineon Technologies AG suppliers consider certain information to be proprietary, and thus CAS numbers and other limited information may not be available for release.
3. All statements are based on our present knowledge, are provided 'as is' and may be subject to change at any time due to technical requirements and development without notification.

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.

Company	Infineon Technologies AG
Address	81726 Neubiberg
Internet	www.infineon.com