

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	1ED3121MC12H	**Issued**	23. June 2021
MA#	MA005446785		
Package	PG-DSO-8-66	**Weight***	285.12 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	1.169	0.41	0.41	4098	4098
chip_2	inorganic material	silicon	7440-21-3	0.906	0.32	0.32	3177	3177
leadframe	inorganic material	phosphorus	7723-14-0	0.026	0.01		92	
	non noble metal	zinc	7440-66-6	0.105	0.04		368	
	non noble metal	iron	7439-89-6	2.099	0.74		7362	
	non noble metal	copper	7440-50-8	85.233	29.89	30.68	298945	306767
wire	non noble metal	copper	7440-50-8	0.193	0.07	0.07	678	678
encapsulation	organic material	carbon black	1333-86-4	0.963	0.34		3376	
	plastics	epoxy resin	-	19.251	6.75		67521	
	inorganic material	silicondioxide	60676-86-0	172.298	60.43	67.52	604311	675208
leadfinish	non noble metal	tin	7440-31-5	1.171	0.41	0.41	4108	4108
plating	noble metal	silver	7440-22-4	0.316	0.11	0.11	1107	1107
glue	plastics	epoxy resin	-	0.346	0.12		1214	
	noble metal	silver	7440-22-4	1.039	0.36	0.48	3643	4857
*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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