



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	1ED3131MU12H	<b>Issued</b>	17. May 2021
<b>MA#</b>	MA005412300		
<b>Package</b>	PG-DSO-8-66	<b>Weight*</b>	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	298944	306766
wire	non noble metal	copper	7440-50-8	0.194	0.07	0.07	681	681
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	172.297	60.43	67.52	604309	675206
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:

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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.

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