

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	1ED3121MU12H	**Issued**	27. April 2022
MA#	MA005739703		
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	298944	306766
wire	non noble metal	copper	7440-50-8	0.194	0.07	0.07	682	682
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	60.44	67.53	604308	675205
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	inorganic material	copperoxide	1317-38-0	0.035	0.01		121	
	miscellaneous	miscellaneous	-	0.042	0.01		146	
	plastics	epoxy resin	-	0.242	0.08		850	
	noble metal	silver	7440-22-4	1.066	0.37	0.47	3740	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.
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