

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IDWD120E120D7	**Issued**	12. March 2024
MA#	MA005880493		
Package	PG-TO247-2-2	**Weight***	5762.81 mg

Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]
chip	inorganic material	silicon	7440-21-3	9.004	0.156	0.156	1562	1562
leadframe	inorganic material	phosphorus	7723-14-0	1.136	0.020	65.680	197	656803
	non noble metal	iron	7439-89-6	3.785	0.066		657	
	non noble metal	copper	7440-50-8	3,780.106	65.595		655949	
wire	non noble metal	aluminium	7429-90-5	19.286	0.335	0.335	3347	3347
encapsulation	organic material	carbon black	1333-86-4	14.480	0.251	33.502	2513	335020
	organic material	phenol formaldehyde resin	9003-35-4	80.508	1.397		13970	
	non noble metal	metal hydroxide	-	177.041	3.072		30721	
	plastics	epoxy resin	29690-82-2	263.534	4.573		45730	
	inorganic material	silicondioxide	60676-86-0	1,395.090	24.209		242085	
leadfinish	non noble metal	tin	7440-31-5	11.505	0.200	0.200	1996	1996
plating	non noble metal	nickel	7440-02-0	2.360	0.041	0.041	410	410
solder	non noble metal	antimony	7440-36-0	0.497	0.009	0.086	86	863
	noble metal	silver	7440-22-4	1.243	0.022		216	
	non noble metal	tin	7440-31-5	3.232	0.056		561	
*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.

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