

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IDWD40E120D7	**Issued**	12. March 2024
MA#	MA005880481		
Package	PG-TO247-2-2	**Weight***	5756.87 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	3.633	0.063	0.063	631	631
leadframe	inorganic material	phosphorus	7723-14-0	1.136	0.020	65.748	197	657480
	non noble metal	iron	7439-89-6	3.785	0.066		657	
	non noble metal	copper	7440-50-8	3,780.106	65.663		656625	
wire	non noble metal	aluminium	7429-90-5	9.231	0.160	0.160	1603	1603
encapsulation	organic material	carbon black	1333-86-4	14.572	0.253	33.749	2531	337494
	organic material	phenol formaldehyde resin	9003-35-4	81.019	1.407		14074	
	non noble metal	metal hydroxide	-	178.165	3.095		30948	
	plastics	epoxy resin	29690-82-2	265.207	4.607		46068	
	inorganic material	silicondioxide	60676-86-0	1,403.947	24.387		243873	
leadfinish	non noble metal	tin	7440-31-5	11.505	0.200	0.200	1999	1999
plating	non noble metal	nickel	7440-02-0	2.360	0.041	0.041	410	410
solder	non noble metal	antimony	7440-36-0	0.220	0.004	0.038	38	383
	noble metal	silver	7440-22-4	0.551	0.010		96	
	non noble metal	tin	7440-31-5	1.432	0.025		249	
*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