

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IDWD50E120D7	**Issued**	12. March 2024
MA#	MA005880484		
Package	PG-TO247-2-2	**Weight***	5757.26 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	4.316	0.075	0.075	750	750
leadframe	inorganic material	phosphorus	7723-14-0	1.136	0.020	65.744	197	657436
	non noble metal	iron	7439-89-6	3.785	0.066		657	
	non noble metal	copper	7440-50-8	3,780.106	65.658		656581	
wire	non noble metal	aluminium	7429-90-5	9.231	0.160	0.160	1603	1603
encapsulation	organic material	carbon black	1333-86-4	14.567	0.253	33.736	2530	337359
	organic material	phenol formaldehyde resin	9003-35-4	80.992	1.407		14068	
	non noble metal	metal hydroxide	-	178.105	3.094		30936	
	plastics	epoxy resin	29690-82-2	265.118	4.605		46049	
	inorganic material	silicondioxide	60676-86-0	1,403.477	24.378		243775	
leadfinish	non noble metal	tin	7440-31-5	11.505	0.200	0.200	1998	1998
plating	non noble metal	nickel	7440-02-0	2.360	0.041	0.041	410	410
solder	non noble metal	antimony	7440-36-0	0.256	0.004	0.044	44	444
	noble metal	silver	7440-22-4	0.640	0.011		111	
	non noble metal	tin	7440-31-5	1.663	0.029		289	
*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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