

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IDWD140E120D7	**Issued**	12. March 2024
MA#	MA005880496		
Package	PG-TO247-2-2	**Weight***	5763.59 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	10.505	0.182	0.182	1823	1823
leadframe	inorganic material	phosphorus	7723-14-0	1.136	0.020	65.671	197	656713
	non noble metal	iron	7439-89-6	3.785	0.066		657	
	non noble metal	copper	7440-50-8	3,780.106	65.586		655859	
wire	non noble metal	aluminium	7429-90-5	19.090	0.331	0.331	3312	3312
encapsulation	organic material	carbon black	1333-86-4	14.470	0.251	33.475	2511	334751
	organic material	phenol formaldehyde resin	9003-35-4	80.455	1.396		13959	
	non noble metal	metal hydroxide	-	176.923	3.070		30697	
	plastics	epoxy resin	29690-82-2	263.358	4.569		45693	
	inorganic material	silicondioxide	60676-86-0	1,394.160	24.189		241891	
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	409	409
solder	non noble metal	antimony	7440-36-0	0.574	0.010	0.100	100	996
	noble metal	silver	7440-22-4	1.435	0.025		249	
	non noble metal	tin	7440-31-5	3.732	0.065		647	
*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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