

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IDWD50G120C5	**Issued**	11. March 2025
MA#	MA005746611		
Package	PG-TO247-2-3	**Weight***	5757.98 mg

Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]
chip	non noble metal	tin	7440-31-5	0.123	0.002	0.137	21	1375
	noble metal	gold	7440-57-5	0.476	0.008		83	
	inorganic material	siliconcarbide	409-21-2	7.317	0.127		1271	
leadframe	inorganic material	phosphorus	7723-14-0	1.136	0.020	65.735	197	657353
	non noble metal	iron	7439-89-6	3.785	0.066		657	
	non noble metal	copper	7440-50-8	3780.106	65.650		656498	
wire	non noble metal	aluminium	7429-90-5	9.030	0.157	0.157	1568	1568
encapsulation	organic material	carbon black	1333-86-4	14.566	0.253	33.730	2530	337296
	organic material	phenol formaldehyde resin	9003-35-4	80.987	1.407		14065	
	non noble metal	metal hydroxide	-	178.095	3.093		30930	
	plastics	epoxy resin	29690-82-2	265.103	4.604		46041	
	inorganic material	silicondioxide	60676-86-0	1403.393	24.373		243730	
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
*deviation	< 10%				Sum in total:	100.000		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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