

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPD50N03S4L-06	**Issued**	14. May 2021
MA#	MA003210544		
Package	PG-TO252-3-11	**Weight***	370.15 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	1.143	0.31	0.31	3087	3087
leadframe	inorganic material	phosphorus	7723-14-0	0.065	0.02		174	
	non noble metal	iron	7439-89-6	0.215	0.06		582	
	non noble metal	copper	7440-50-8	215.017	58.08	58.16	580898	581654
wire	non noble metal	aluminium	7429-90-5	2.885	0.78	0.78	7795	7795
encapsulation	inorganic material	zincoxide	1314-13-2	1.264	0.34		3416	
	miscellaneous	miscellaneous	-	6.322	1.71		17079	
	plastics	epoxy resin	-	18.966	5.12		51238	
	inorganic material	silicondioxide	60676-86-0	99.885	26.99	34.16	269854	341587
leadfinish	non noble metal	tin	7440-31-5	3.740	1.01	1.01	10104	10104
plating	inorganic material	phosphorus	7723-14-0	0.000			1	
	non noble metal	nickel	7440-02-0	0.091	0.02	0.02	245	246
solder	non noble metal	tin	7440-31-5	0.027	0.01		73	
	noble metal	silver	7440-22-4	0.034	0.01		91	
	non noble metal	lead	7439-92-1	1.290	0.35	0.37	3484	3648
heatspreader	inorganic material	phosphorus	7723-14-0	0.006			16	
	non noble metal	iron	7439-89-6	0.019	0.01		52	
	non noble metal	copper	7440-50-8	19.177	5.18	5.19	51811	51879
*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 contains Pb according RoHS exemption 7a, Lead in high melting temperature type solders.

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