

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPD50P03P4L-11	**Issued**	24. February 2022
MA#	MA005709165		
Package	PG-TO252-3-11	**Weight***	370.48 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	1.543	0.42	0.42	4165	4165
leadframe	inorganic material	phosphorus	7723-14-0	0.065	0.02		174	
	non noble metal	iron	7439-89-6	0.215	0.06		581	
	non noble metal	copper	7440-50-8	215.017	58.02	58.10	580382	581137
wire	non noble metal	aluminium	7429-90-5	3.026	0.82	0.82	8167	8167
encapsulation	inorganic material	zincoxide	1314-13-2	1.260	0.34		3400	
	miscellaneous	miscellaneous	-	6.298	1.70		17000	
	plastics	epoxy resin	-	18.894	5.10		50999	
	inorganic material	silicondioxide	60676-86-0	99.508	26.86	34.00	268595	339994
leadfinish	non noble metal	tin	7440-31-5	3.740	1.01	1.01	10095	10095
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	0.032	0.01		87	
	noble metal	silver	7440-22-4	0.040	0.01		109	
	non noble metal	lead	7439-92-1	1.544	0.42	0.44	4168	4364
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	51764	51832
*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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