

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPD90N06S4L-03	**Issued**	03. May 2021
MA#	MA001042962		
Package	PG-TO252-3-11	**Weight***	373.88 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	5.184	1.39	1.39	13865	13865
leadframe	inorganic material	phosphorus	7723-14-0	0.065	0.02		173	
	non noble metal	iron	7439-89-6	0.215	0.06		576	
	non noble metal	copper	7440-50-8	215.017	57.50	57.58	575100	575849
wire	non noble metal	aluminium	7429-90-5	5.812	1.55	1.55	15545	15545
encapsulation	inorganic material	zincoxide	1314-13-2	1.205	0.32		3224	
	miscellaneous	miscellaneous	-	6.027	1.61		16120	
	plastics	epoxy resin	-	18.081	4.84		48360	
	inorganic material	silicondioxide	60676-86-0	95.224	25.47	32.24	254695	322399
leadfinish	non noble metal	tin	7440-31-5	3.740	1.00	1.00	10003	10003
plating	inorganic material	phosphorus	7723-14-0	0.000			1	
	non noble metal	nickel	7440-02-0	0.091	0.02	0.02	243	244
solder	non noble metal	tin	7440-31-5	0.080	0.02		215	
	noble metal	silver	7440-22-4	0.100	0.03		268	
	non noble metal	lead	7439-92-1	3.833	1.03	1.08	10253	10736
heatspreader	inorganic material	phosphorus	7723-14-0	0.006			15	
	non noble metal	iron	7439-89-6	0.019	0.01		51	
	non noble metal	copper	7440-50-8	19.177	5.13	5.14	51293	51359
*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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