

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPD90P04P4L-04	**Issued**	14. May 2021
MA#	MA002746702		
Package	PG-TO252-3-313	**Weight***	320.87 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	4.029	1.26	1.26	12555	12555
leadframe	inorganic material	phosphorus	7723-14-0	0.044	0.01		138	
	non noble metal	iron	7439-89-6	0.147	0.05		459	
	non noble metal	copper	7440-50-8	147.096	45.83	45.89	458431	459028
wire	non noble metal	aluminium	7429-90-5	5.967	1.86	1.86	18596	18596
encapsulation	inorganic material	zincoxide	1314-13-2	1.360	0.42		4238	
	miscellaneous	miscellaneous	-	6.799	2.12		21191	
	plastics	epoxy resin	-	20.398	6.36		63572	
	inorganic material	silicondioxide	60676-86-0	107.431	33.48	42.38	334814	423815
leadfinish	non noble metal	tin	7440-31-5	3.740	1.17	1.17	11656	11656
plating	inorganic material	phosphorus	7723-14-0	0.003			11	
	non noble metal	nickel	7440-02-0	1.421	0.44	0.44	4427	4438
solder	non noble metal	tin	7440-31-5	0.065	0.02		201	
	noble metal	silver	7440-22-4	0.081	0.03		252	
	non noble metal	lead	7439-92-1	3.085	0.96	1.01	9614	10067
heatspreader	inorganic material	phosphorus	7723-14-0	0.006			18	
	non noble metal	iron	7439-89-6	0.019	0.01		60	
	non noble metal	copper	7440-50-8	19.177	5.98	5.99	59767	59845
*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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