

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPD50N04S4-08	**Issued**	08. April 2022
MA#	MA005710912		
Package	PG-TO252-3-313	**Weight***	317.74 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	0.993	0.31	0.31	3126	3126
leadframe	inorganic material	phosphorus	7723-14-0	0.044	0.01		139	
	non noble metal	iron	7439-89-6	0.147	0.05		464	
	non noble metal	copper	7440-50-8	147.096	46.29	46.35	462950	463553
wire	non noble metal	aluminium	7429-90-5	2.609	0.82	0.82	8212	8212
encapsulation	inorganic material	zincoxide	1314-13-2	1.412	0.44		4445	
	miscellaneous	miscellaneous	-	7.062	2.22		22227	
	plastics	epoxy resin	-	21.187	6.67		66682	
	inorganic material	silicondioxide	60676-86-0	111.586	35.12	44.45	351191	444545
leadfinish	non noble metal	tin	7440-31-5	3.740	1.18	1.18	11771	11771
plating	inorganic material	phosphorus	7723-14-0	0.003			11	
	non noble metal	nickel	7440-02-0	1.421	0.45	0.45	4471	4482
solder	non noble metal	tin	7440-31-5	0.025	0.01		78	
	noble metal	silver	7440-22-4	0.031	0.01		97	
	non noble metal	lead	7439-92-1	1.176	0.37	0.39	3702	3877
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	6.04	6.05	60356	60434
*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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