

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPD70P04P4-09	**Issued**	24. February 2022
MA#	MA005709173		
Package	PG-TO252-3-313	**Weight***	319.46 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	2.074	0.65	0.65	6493	6493
leadframe	inorganic material	phosphorus	7723-14-0	0.044	0.01		138	
	non noble metal	iron	7439-89-6	0.147	0.05		461	
	non noble metal	copper	7440-50-8	147.096	46.06	46.12	460454	461053
wire	non noble metal	aluminium	7429-90-5	5.670	1.77	1.77	17749	17749
encapsulation	inorganic material	zincoxide	1314-13-2	1.380	0.43		4321	
	miscellaneous	miscellaneous	-	6.901	2.16		21603	
	plastics	epoxy resin	-	20.704	6.48		64810	
	inorganic material	silicondioxide	60676-86-0	109.041	34.13	43.20	341331	432065
leadfinish	non noble metal	tin	7440-31-5	3.740	1.17	1.17	11707	11707
plating	inorganic material	phosphorus	7723-14-0	0.003			11	
	non noble metal	nickel	7440-02-0	1.421	0.44	0.44	4447	4458
solder	non noble metal	tin	7440-31-5	0.041	0.01		127	
	noble metal	silver	7440-22-4	0.051	0.02		159	
	non noble metal	lead	7439-92-1	1.942	0.61	0.64	6080	6366
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	6.00	6.01	60031	60109
*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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