

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPD90R1K2C3	**Issued**	13. May 2021
MA#	MA002116544		
Package	PG-TO252-3-313	**Weight***	320.04 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	4.798	1.50	1.50	14992	14992
leadframe	inorganic material	phosphorus	7723-14-0	0.044	0.01		138	
	non noble metal	iron	7439-89-6	0.147	0.05		460	
	non noble metal	copper	7440-50-8	147.096	45.97	46.03	459619	460217
wire	non noble metal	aluminium	7429-90-5	0.659	0.21	0.21	2058	2058
encapsulation	inorganic material	zincoxide	1314-13-2	1.390	0.43		4344	
	miscellaneous	miscellaneous	-	6.952	2.17		21721	
	plastics	epoxy resin	-	20.855	6.52		65163	
	inorganic material	silicondioxide	60676-86-0	109.834	34.32	43.44	343190	434418
leadfinish	non noble metal	tin	7440-31-5	3.740	1.17	1.17	11686	11686
plating	inorganic material	phosphorus	7723-14-0	0.003			11	
	non noble metal	nickel	7440-02-0	1.421	0.44	0.44	4439	4450
solder	non noble metal	tin	7440-31-5	0.078	0.02		244	
	noble metal	silver	7440-22-4	0.097	0.03		304	
	non noble metal	lead	7439-92-1	3.723	1.16	1.21	11631	12179
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	5.99	6.00	59922	60000
*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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