

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPD80R1K4P7	**Issued**	06. April 2021
MA#	MA002116534		
Package	PG-TO252-3-342	**Weight***	333.61 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	1.500	0.45	0.45	4495	4495
leadframe	inorganic material	phosphorus	7723-14-0	0.048	0.01		144	
	non noble metal	iron	7439-89-6	0.160	0.05		481	
	non noble metal	copper	7440-50-8	160.096	48.00	48.06	479885	480510
wire	non noble metal	aluminium	7429-90-5	0.448	0.13	0.13	1343	1343
encapsulation	organic material	carbon black	1333-86-4	1.169	0.35		3503	
	plastics	epoxy resin	-	16.361	4.90		49043	
	inorganic material	silicondioxide	60676-86-0	128.554	38.53	43.78	385340	437886
leadfinish	non noble metal	tin	7440-31-5	3.740	1.12	1.12	11211	11211
plating	non noble metal	nickel	7440-02-0	0.523	0.16	0.16	1569	1569
solder	non noble metal	tin	7440-31-5	0.036	0.01		109	
	noble metal	silver	7440-22-4	0.045	0.01		136	
	non noble metal	lead	7439-92-1	1.729	0.52	0.54	5182	5427
heatspreader	inorganic material	phosphorus	7723-14-0	0.006			17	
	non noble metal	iron	7439-89-6	0.019	0.01		58	
	non noble metal	copper	7440-50-8	19.177	5.75	5.76	57484	57559
*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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