

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPD65R1K4C6	**Issued**	17. May 2021
MA#	MA005425470		
Package	PG-TO252-3-345	**Weight***	337.50 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	1.898	0.56	0.56	5622	5622
leadframe	inorganic material	phosphorus	7723-14-0	0.058	0.02		171	
	non noble metal	iron	7439-89-6	0.193	0.06		571	
	non noble metal	copper	7440-50-8	192.629	57.06	57.14	570748	571490
wire	non noble metal	aluminium	7429-90-5	0.456	0.14	0.14	1350	1350
encapsulation	organic material	carbon black	1333-86-4	0.411	0.12		1218	
	plastics	epoxy resin	-	12.472	3.70		36952	
	inorganic material	silicondioxide	60676-86-0	124.167	36.79	40.61	367901	406071
leadfinish	non noble metal	tin	7440-31-5	2.562	0.76	0.76	7591	7591
plating	non noble metal	nickel	7440-02-0	0.565	0.17	0.17	1674	1674
solder	non noble metal	tin	7440-31-5	0.042	0.01		124	
	noble metal	silver	7440-22-4	0.052	0.02		155	
	non noble metal	lead	7439-92-1	1.999	0.59	0.62	5923	6202
*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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