

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPS65R1K4C6	**Issued**	17. February 2022
MA#	MA005620350		
Package	PG-TO251-3-344	**Weight***	335.40 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	0.57	0.57	5658	5658
leadframe	inorganic material	phosphorus	7723-14-0	0.046	0.01		138	
	non noble metal	iron	7439-89-6	0.154	0.05		460	
	non noble metal	copper	7440-50-8	154.154	45.95	46.01	459615	460213
wire	non noble metal	aluminium	7429-90-5	0.588	0.18	0.18	1753	1753
encapsulation	organic material	carbon black	1333-86-4	0.446	0.13		1331	
	plastics	epoxy resin	-	13.541	4.04		40372	
	inorganic material	silicondioxide	60676-86-0	134.811	40.19	44.36	401943	443646
leadfinish	non noble metal	tin	7440-31-5	4.142	1.24	1.24	12350	12350
plating	non noble metal	nickel	7440-02-0	0.607	0.18	0.18	1809	1809
solder	non noble metal	tin	7440-31-5	0.042	0.01		126	
	noble metal	silver	7440-22-4	0.053	0.02		158	
	non noble metal	lead	7439-92-1	2.019	0.60	0.63	6020	6304
heatspreader	inorganic material	phosphorus	7723-14-0	0.007			20	
	non noble metal	iron	7439-89-6	0.023	0.01		68	
	non noble metal	copper	7440-50-8	22.867	6.82	6.83	68179	68267
*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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