



Material Content Data Sheet



Sales Product Name		IPS65R1K0CE		Issued		25. January 2018		
MA#		MA001722086						
Package		PG-TO251-3-343		Weight*		340.08 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	2.509	0.74	0.74	7378	7378
leadframe	inorganic material	phosphorus	7723-14-0	0.048	0.01		141	
	non noble metal	iron	7439-89-6	0.160	0.05		470	
	non noble metal	copper	7440-50-8	159.794	47.00	47.06	469871	470482
	non noble metal	aluminium	7429-90-5	0.413	0.12	0.12	1216	1216
wire	non noble metal	aluminium	7429-90-5	0.413	0.12	0.12	1216	1216
encapsulation	organic material	carbon black	1333-86-4	0.725	0.21		2131	
	plastics	epoxy resin	-	19.570	5.75		57544	
	inorganic material	silicondioxide	60676-86-0	124.666	36.66	42.62	366576	426251
leadfinish	non noble metal	tin	7440-31-5	4.771	1.40	1.40	14028	14028
solder	non noble metal	tin	7440-31-5	0.050	0.01		148	
	noble metal	silver	7440-22-4	0.063	0.02		185	
	non noble metal	lead	7439-92-1	2.406	0.71	0.74	7075	7408
heatspreader	inorganic material	phosphorus	7723-14-0	0.007	0.00		22	
	non noble metal	iron	7439-89-6	0.025	0.01		73	
	non noble metal	copper	7440-50-8	24.874	7.31	7.32	73142	73237
*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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