



Material Content Data Sheet



Halogen-Free

Sales Product Name	IPS65R1K0CE	Issued	25. June 2021
MA#	MA005557151		
Package	PG-TO251-3-343	Weight*	340.21 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	7375	7375
leadframe	inorganic material	phosphorus	7723-14-0	0.055	0.02		163	
	non noble metal	iron	7439-89-6	0.185	0.05		544	
	non noble metal	copper	7440-50-8	184.668	54.29	54.36	542810	543517
wire	non noble metal	aluminium	7429-90-5	0.514	0.15	0.15	1512	1512
encapsulation	organic material	carbon black	1333-86-4	0.725	0.21		2130	
	plastics	epoxy resin	-	19.570	5.75		57523	
	inorganic material	silicondioxide	60676-86-0	124.666	36.64	42.60	366440	426093
leadfinish	non noble metal	tin	7440-31-5	4.771	1.40	1.40	14023	14023
solder	non noble metal	tin	7440-31-5	0.051	0.02		150	
	noble metal	silver	7440-22-4	0.064	0.02		187	
	non noble metal	lead	7439-92-1	2.430	0.71	0.75	7143	7480
*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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