



Material Content Data Sheet



Sales Product Name		IPS70R1K4CE		Issued		4. July 2019		
MA#		MA005339822						
Package		PG-TO251-3-343		Weight*		339.65 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	5587	5587
leadframe	inorganic material	phosphorus	7723-14-0	0.048	0.01		141	
	non noble metal	iron	7439-89-6	0.160	0.05		471	
	non noble metal	copper	7440-50-8	159.794	47.05	47.11	470473	471085
	non noble metal	aluminium	7429-90-5	0.414	0.12	0.12	1219	1219
wire	non noble metal	aluminium	7429-90-5	0.414	0.12	0.12	1219	1219
encapsulation	organic material	carbon black	1333-86-4	0.728	0.21		2143	
	plastics	epoxy resin	-	19.651	5.79		57857	
	inorganic material	silicondioxide	60676-86-0	125.183	36.86	42.86	368569	428569
leadfinish	non noble metal	tin	7440-31-5	4.771	1.40	1.40	14046	14046
solder	non noble metal	tin	7440-31-5	0.042	0.01		123	
	noble metal	silver	7440-22-4	0.052	0.02		154	
	non noble metal	lead	7439-92-1	1.999	0.59	0.62	5886	6163
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	7.32	7.33	73236	73331
*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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