



Material Content Data Sheet



Sales Product Name		IPS60R2K1CE		Issued		1. August 2018		
MA#		MA001705054						
Package		PG-TO251-3-343		Weight*		339.18 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	1.272	0.37	0.37	3749	3749
leadframe	inorganic material	phosphorus	7723-14-0	0.048	0.01		142	
	non noble metal	iron	7439-89-6	0.160	0.05		472	
	non noble metal	copper	7440-50-8	159.794	47.11	47.17	471124	471738
	non noble metal	aluminium	7429-90-5	0.432	0.13	0.13	1272	1272
wire	non noble metal	aluminium	7429-90-5	0.432	0.13	0.13	1272	1272
encapsulation	organic material	carbon black	1333-86-4	0.731	0.22		2155	
	plastics	epoxy resin	-	19.733	5.82		58178	
	inorganic material	silicondioxide	60676-86-0	125.704	37.06	43.10	370616	430949
leadfinish	non noble metal	tin	7440-31-5	4.771	1.41	1.41	14065	14065
solder	non noble metal	tin	7440-31-5	0.033	0.01		96	
	noble metal	silver	7440-22-4	0.041	0.01		120	
	non noble metal	lead	7439-92-1	1.553	0.46	0.48	4579	4795
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	7.33	7.34	73337	73432
*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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