



Material Content Data Sheet



Sales Product Name		IPS60R1K0CE		Issued		19. January 2018		
MA#		MA001704982						
Package		PG-TO251-3-343		Weight*		339.81 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	2.144	0.63	0.63	6309	6309
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	47.04	47.10	470249	470861
	non noble metal	aluminium	7429-90-5	0.439	0.13	0.13	1291	1291
wire	non noble metal	aluminium	7429-90-5	0.439	0.13	0.13	1291	1291
encapsulation	organic material	carbon black	1333-86-4	0.727	0.21		2138	
	plastics	epoxy resin	-	19.616	5.77		57725	
	inorganic material	silicondioxide	60676-86-0	124.958	36.77	42.75	367733	427596
leadfinish	non noble metal	tin	7440-31-5	4.771	1.40	1.40	14039	14039
solder	non noble metal	tin	7440-31-5	0.045	0.01		132	
	noble metal	silver	7440-22-4	0.056	0.02		165	
	non noble metal	lead	7439-92-1	2.144	0.63	0.66	6311	6608
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	73201	73296
*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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