



Material Content Data Sheet



Sales Product Name		IPU60R1K0CE		Issued		19. January 2018		
MA#		MA001704986						
Package		PG-TO251-3-345		Weight*		385.21 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	2.144	0.56	0.56	5565	5565
leadframe	inorganic material	phosphorus	7723-14-0	0.063	0.02		162	
	non noble metal	iron	7439-89-6	0.209	0.05		541	
	non noble metal	copper	7440-50-8	208.238	54.06	54.13	540575	541278
	non noble metal	aluminium	7429-90-5	0.451	0.12	0.12	1169	1169
wire	non noble metal	aluminium	7429-90-5	0.451	0.12	0.12	1169	1169
encapsulation	organic material	carbon black	1333-86-4	0.700	0.18		1816	
	plastics	epoxy resin	-	18.887	4.90		49029	
	inorganic material	silicondioxide	60676-86-0	120.314	31.23	36.31	312331	363176
leadfinish	non noble metal	tin	7440-31-5	7.055	1.83	1.83	18314	18314
solder	non noble metal	tin	7440-31-5	0.045	0.01		117	
	noble metal	silver	7440-22-4	0.056	0.01		146	
	non noble metal	lead	7439-92-1	2.144	0.56	0.58	5567	5830
heatspreader	inorganic material	phosphorus	7723-14-0	0.007	0.00		19	
	non noble metal	iron	7439-89-6	0.025	0.01		65	
	non noble metal	copper	7440-50-8	24.879	6.46	6.47	64584	64668
*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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