



Material Content Data Sheet



Sales Product Name		IPU60R1K5CE		Issued		15. March 2016		
MA#		MA001476516						
Package		PG-TO251-3-345		Weight*		385.14 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	1.624	0.42	0.42	4217	4217
leadframe	non noble metal	iron	7439-89-6	0.209	0.05		541	
	inorganic material	phosphorus	7723-14-0	0.063	0.02		162	
	non noble metal	copper	7440-50-8	208.238	54.06	54.13	540676	541379
wire	non noble metal	aluminium	7429-90-5	4.221	1.10	1.10	10961	10961
encapsulation	organic material	carbon black	1333-86-4	0.685	0.18		1778	
	plastics	epoxy resin	-	18.486	4.80		47999	
	inorganic material	silicondioxide	60676-86-0	117.765	30.58	35.56	305768	355545
leadfinish	non noble metal	tin	7440-31-5	7.055	1.83	1.83	18317	18317
solder	noble metal	silver	7440-22-4	0.047	0.01		123	
	non noble metal	tin	7440-31-5	0.038	0.01		98	
	non noble metal	lead	7439-92-1	1.802	0.47	0.49	4680	4901
heatspreader	non noble metal	iron	7439-89-6	0.025	0.01		65	
	inorganic material	phosphorus	7723-14-0	0.007	0.00		19	
	non noble metal	copper	7440-50-8	24.879	6.46	6.47	64596	64680
*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 2011/65/EU (RoHS) and contains Pb according RoHS exemption 7a, Lead in high melting temperature type solders.

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