



Material Content Data Sheet



Sales Product Name		IPD60R1K5CE		Issued		22. January 2018		
MA#		MA001412518						
Package		PG-TO252-3-344		Weight*		322.39 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	0.50	0.50	5038	5038
leadframe	non noble metal	iron	7439-89-6	0.144	0.04		447	
	inorganic material	phosphorus	7723-14-0	0.043	0.01		134	
	non noble metal	copper	7440-50-8	143.904	44.66	44.71	446368	446949
wire	non noble metal	aluminium	7429-90-5	4.501	1.40	1.40	13961	13961
encapsulation	organic material	carbon black	1333-86-4	0.667	0.21		2068	
	plastics	epoxy resin	-	18.004	5.58		55847	
	inorganic material	silicondioxide	60676-86-0	114.695	35.58	41.37	355766	413681
leadfinish	non noble metal	tin	7440-31-5	3.881	1.20	1.20	12040	12040
solder	noble metal	silver	7440-22-4	0.047	0.01		146	
	non noble metal	tin	7440-31-5	0.038	0.01		117	
	non noble metal	lead	7439-92-1	1.802	0.56	0.58	5591	5854
heatspreader	non noble metal	iron	7439-89-6	0.033	0.01		102	
	inorganic material	phosphorus	7723-14-0	0.010	0.00		31	
	non noble metal	copper	7440-50-8	32.995	10.23	10.24	102344	102477
*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.

Company	Infineon Technologies AG
Address	81726 München
Internet	www.infineon.com