



Material Content Data Sheet



Sales Product Name		IPD50R2K0CE		Issued		19. July 2018		
MA#		MA001413046						
Package		PG-TO252-3-344		Weight*		321.72 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	1.070	0.33	0.33	3327	3327
leadframe	non noble metal	iron	7439-89-6	0.144	0.04		448	
	inorganic material	phosphorus	7723-14-0	0.043	0.01		134	
	non noble metal	copper	7440-50-8	143.904	44.73	44.78	447290	447872
wire	non noble metal	aluminium	7429-90-5	1.401	0.44	0.44	4353	4353
encapsulation	organic material	carbon black	1333-86-4	0.684	0.21		2126	
	plastics	epoxy resin	-	18.465	5.74		57393	
	inorganic material	silicondioxide	60676-86-0	117.626	36.56	42.51	365612	425131
leadfinish	non noble metal	tin	7440-31-5	3.881	1.21	1.21	12064	12064
solder	noble metal	silver	7440-22-4	0.037	0.01		114	
	non noble metal	tin	7440-31-5	0.029	0.01		91	
	non noble metal	lead	7439-92-1	1.402	0.44	0.46	4358	4563
heatspreader	non noble metal	iron	7439-89-6	0.033	0.01		103	
	inorganic material	phosphorus	7723-14-0	0.010	0.00		31	
	non noble metal	copper	7440-50-8	32.995	10.26	10.27	102556	102690
*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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