



Material Content Data Sheet



Sales Product Name		IPD50R280CE		Issued		20. July 2018			
MA#		MA001504444							
Package		PG-TO252-3-344		Weight*		325.41 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	4.825	1.48	1.48	14826	14826	
leadframe	non noble metal	iron	7439-89-6	0.144	0.04		443		
	inorganic material	phosphorus	7723-14-0	0.043	0.01		133		
	non noble metal	copper	7440-50-8	143.904	44.24	44.29	442222	442798	
wire	non noble metal	aluminium	7429-90-5	17.119	5.26	5.26	52607	52607	
encapsulation	organic material	carbon black	1333-86-4	0.593	0.18		1823		
	plastics	epoxy resin	-	16.015	4.92		49215		
	inorganic material	silicondioxide	60676-86-0	102.022	31.35	36.45	313516	364554	
leadfinish	non noble metal	tin	7440-31-5	3.834	1.18	1.18	11780	11780	
solder	noble metal	silver	7440-22-4	0.097	0.03		298		
	non noble metal	tin	7440-31-5	0.078	0.02		238		
	non noble metal	lead	7439-92-1	3.701	1.14	1.19	11373	11909	
heatspreader	non noble metal	iron	7439-89-6	0.033	0.01		102		
	inorganic material	phosphorus	7723-14-0	0.010	0.00		30		
	non noble metal	copper	7440-50-8	32.995	10.14	10.15	101394	101526	
*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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