



Material Content Data Sheet



Sales Product Name		IPD50R280CE		Issued		25. January 2018		
MA#		MA001595134						
Package		PG-TO252-3-343		Weight*		315.39 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	4.825	1.53	1.53	15297	15297
leadframe	non noble metal	iron	7439-89-6	0.137	0.04		435	
	inorganic material	phosphorus	7723-14-0	0.041	0.01		131	
	non noble metal	copper	7440-50-8	137.105	43.50	43.55	434713	435279
wire	non noble metal	aluminium	7429-90-5	17.676	5.60	5.60	56046	56046
encapsulation	organic material	carbon black	1333-86-4	1.149	0.36		3642	
	plastics	epoxy resin	-	21.824	6.92		69195	
	inorganic material	silicondioxide	60676-86-0	91.889	29.13	36.41	291349	364186
leadfinish	non noble metal	tin	7440-31-5	3.834	1.22	1.22	12155	12155
solder	noble metal	silver	7440-22-4	0.097	0.03		307	
	non noble metal	tin	7440-31-5	0.078	0.02		246	
	non noble metal	lead	7439-92-1	3.701	1.17	1.22	11734	12287
heatspreader	non noble metal	iron	7439-89-6	0.033	0.01		105	
	inorganic material	phosphorus	7723-14-0	0.010	0.00		31	
	non noble metal	copper	7440-50-8	32.995	10.46	10.47	104614	104750
*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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