



Material Content Data Sheet



Sales Product Name		IPD50R280CE		Issued		27. September 2017			
MA#		MA001456554							
Package		PG-TO252-3-341		Weight*		390.69 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	1.23	1.23	12349	12349	
leadframe	non noble metal	iron	7439-89-6	0.248	0.06		636		
	inorganic material	phosphorus	7723-14-0	0.075	0.02		191		
	non noble metal	copper	7440-50-8	248.124	63.51	63.59	635096	635923	
wire	non noble metal	aluminium	7429-90-5	16.046	4.11	4.11	41071	41071	
encapsulation	organic material	carbon black	1333-86-4	0.340	0.09		869		
	plastics	epoxy resin	-	10.300	2.64		26365		
	inorganic material	silicondioxide	60676-86-0	102.552	26.25	28.98	262492	289726	
leadfinish	non noble metal	tin	7440-31-5	3.787	0.97	0.97	9693	9693	
plating	non noble metal	nickel	7440-02-0	0.515	0.13	0.13	1319	1319	
solder	noble metal	silver	7440-22-4	0.097	0.02		248		
	non noble metal	tin	7440-31-5	0.078	0.02		198		
	non noble metal	lead	7439-92-1	3.701	0.95	0.99	9473	9919	
*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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