



Material Content Data Sheet



Sales Product Name		IPAN50R500CE		Issued		25. January 2018			
MA#		MA001601934							
Package		PG-TO220-3-318		Weight*		2135.24 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	2.939	0.14	0.14	1376	1376	
leadframe	non noble metal	iron	7439-89-6	1.075	0.05		503		
	inorganic material	phosphorus	7723-14-0	0.322	0.02		151		
	non noble metal	copper	7440-50-8	1073.304	50.27	50.34	502663	503317	
wire	non noble metal	aluminium	7429-90-5	7.989	0.37	0.37	3742	3742	
encapsulation	organic material	carbon black	1333-86-4	5.348	0.25		2505		
	inorganic material	zinc oxide	1314-13-2	72.617	3.40		34009		
	plastics	epoxy resin	-	100.642	4.71		47134		
	inorganic material	silicondioxide	60676-86-0	861.992	40.37	48.73	403698	487346	
leadfinish	non noble metal	tin	7440-31-5	7.067	0.33	0.33	3310	3310	
solder	non noble metal	antimony	7440-36-0	0.194	0.01		91		
	noble metal	silver	7440-22-4	0.485	0.02		227		
	non noble metal	tin	7440-31-5	1.262	0.06	0.09	591	909	
*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 does not use any exemption

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