



Material Content Data Sheet



Sales Product Name		IPAN60R650CE		Issued		19. January 2018			
MA#		MA001596344							
Package		PG-TO220-3-318		Weight*		2139.17 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	3.063	0.14	0.14	1432	1432	
leadframe	non noble metal	iron	7439-89-6	1.075	0.05		502		
	inorganic material	phosphorus	7723-14-0	0.322	0.02		151		
	non noble metal	copper	7440-50-8	1073.304	50.18	50.25	501739	502392	
wire	non noble metal	aluminium	7429-90-5	7.889	0.37	0.37	3688	3688	
encapsulation	organic material	carbon black	1333-86-4	5.205	0.24		2433		
	inorganic material	zink oxide	1314-13-2	73.139	3.42		34190		
	plastics	epoxy resin	-	99.010	4.63		46284		
	inorganic material	silicondioxide	60676-86-0	867.103	40.53	48.82	405345	488252	
leadfinish	non noble metal	tin	7440-31-5	7.067	0.33	0.33	3304	3304	
solder	non noble metal	antimony	7440-36-0	0.200	0.01		93		
	noble metal	silver	7440-22-4	0.499	0.02		233		
	non noble metal	tin	7440-31-5	1.297	0.06	0.09	606	932	
*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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