



Material Content Data Sheet



Sales Product Name		IPAN65R650CE		Issued		20. July 2018		
MA#		MA001603506						
Package		PG-TO220-3-318		Weight*		2128.31 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	3.294	0.15	0.15	1548	1548
leadframe	non noble metal	iron	7439-89-6	1.075	0.05		505	
	inorganic material	phosphorus	7723-14-0	0.322	0.02		151	
	non noble metal	copper	7440-50-8	1073.304	50.45	50.52	504298	504957
wire	non noble metal	aluminium	7429-90-5	0.795	0.04	0.04	373	373
encapsulation	organic material	carbon black	1333-86-4	5.202	0.24		2444	
	inorganic material	zink oxide	1314-13-2	72.825	3.42		34217	
	plastics	epoxy resin	-	98.834	4.64		46438	
	inorganic material	silicondioxide	60676-86-0	863.494	40.57	48.87	405720	488819
leadfinish	non noble metal	tin	7440-31-5	7.067	0.33	0.33	3320	3320
solder	non noble metal	antimony	7440-36-0	0.209	0.01		98	
	noble metal	silver	7440-22-4	0.523	0.02		246	
	non noble metal	tin	7440-31-5	1.361	0.06	0.09	639	983
heatspreader	non noble metal	copper	7440-50-8	0.000	0.00		1	
	non noble metal	iron	7439-89-6	0.000	0.00		1	
	inorganic material	phosphorus	7723-14-0	0.000	0.00	0.00	1	0
*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

Company	Infineon Technologies AG
Address	81726 München
Internet	www.infineon.com