



Material Content Data Sheet



Sales Product Name		IPAN80R450P7		Issued		19. January 2018		
MA#		MA002112126						
Package		PG-TO220-3-318		Weight*		2138.99 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	3.428	0.16	0.16	1603	1603
leadframe	inorganic material	phosphorus	7723-14-0	0.322	0.02		151	
	non noble metal	iron	7439-89-6	1.075	0.05		502	
	non noble metal	copper	7440-50-8	1073.304	50.16	50.23	501782	502435
	non noble metal	aluminium	7429-90-5	0.782	0.04	0.04	366	366
wire	non noble metal	aluminium	7429-90-5	0.782	0.04	0.04	366	366
encapsulation	organic material	carbon black	1333-86-4	5.524	0.26		2583	
	inorganic material	zink oxide	1314-13-2	73.139	3.42		34193	
	plastics	epoxy resin	-	103.159	4.82		48228	
	inorganic material	silicondioxide	60676-86-0	869.017	40.63	49.13	406276	491280
leadfinish	non noble metal	tin	7440-31-5	7.067	0.33	0.33	3304	3304
solder	non noble metal	antimony	7440-36-0	0.217	0.01		101	
	noble metal	silver	7440-22-4	0.542	0.03		253	
	non noble metal	tin	7440-31-5	1.408	0.07	0.11	658	1012
*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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