



Material Content Data Sheet



Sales Product Name		IPAN80R280P7		Issued		31. July 2018		
MA#		MA002107994						
Package		PG-TO220-3-318		Weight*		2125.14 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	5.042	0.24	0.24	2372	2372
leadframe	inorganic material	phosphorus	7723-14-0	0.322	0.02		152	
	non noble metal	iron	7439-89-6	1.075	0.05		506	
	non noble metal	copper	7440-50-8	1073.304	50.50	50.57	505052	505710
	non noble metal	aluminium	7429-90-5	0.771	0.04	0.04	363	363
wire	non noble metal	aluminium	7429-90-5	0.771	0.04	0.04	363	363
encapsulation	organic material	carbon black	1333-86-4	5.545	0.26		2609	
	inorganic material	zink oxide	1314-13-2	71.854	3.38		33812	
	plastics	epoxy resin	-	102.878	4.84		48410	
	inorganic material	silicondioxide	60676-86-0	854.463	40.21	48.69	402075	486906
leadfinish	non noble metal	tin	7440-31-5	7.067	0.33	0.33	3325	3325
solder	non noble metal	antimony	7440-36-0	0.282	0.01		132	
	noble metal	silver	7440-22-4	0.704	0.03		331	
	non noble metal	tin	7440-31-5	1.830	0.09	0.13	861	1324
*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