



Material Content Data Sheet



Sales Product Name		IPAN70R450P7S		Issued		19. January 2018		
MA#		MA001821708						
Package		PG-TO220-3-318		Weight*		2133.88 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	2.030	0.10	0.10	951	951
leadframe	inorganic material	phosphorus	7723-14-0	0.322	0.02		151	
	non noble metal	iron	7439-89-6	1.075	0.05		504	
	non noble metal	copper	7440-50-8	1073.304	50.28	50.35	502982	503637
	non noble metal	aluminium	7429-90-5	0.794	0.04	0.04	372	372
wire	non noble metal	aluminium	7429-90-5	0.794	0.04	0.04	372	372
encapsulation	organic material	carbon black	1333-86-4	5.370	0.25		2516	
	inorganic material	zink oxide	1314-13-2	73.139	3.43		34275	
	plastics	epoxy resin	-	101.154	4.74		47404	
	inorganic material	silicondioxide	60676-86-0	868.092	40.68	49.10	406814	491009
leadfinish	non noble metal	tin	7440-31-5	7.067	0.33	0.33	3312	3312
solder	non noble metal	antimony	7440-36-0	0.153	0.01		72	
	noble metal	silver	7440-22-4	0.384	0.02		180	
	non noble metal	tin	7440-31-5	0.997	0.05	0.08	467	719
*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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