



Material Content Data Sheet



Sales Product Name		IPA60R120P7		Issued		25. January 2018		
MA#		MA001670582						
Package		PG-TO220-3-313		Weight*		2219.26 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	5.679	0.26	0.26	2559	2559
leadframe	non noble metal	iron	7439-89-6	0.903	0.04		407	
	inorganic material	phosphorus	7723-14-0	0.271	0.01		122	
	non noble metal	copper	7440-50-8	902.149	40.65	40.70	406510	407039
wire	non noble metal	aluminium	7429-90-5	2.937	0.13	0.13	1323	1323
encapsulation	organic material	carbon black	1333-86-4	2.297	0.10		1035	
	plastics	epoxy resin	-	216.117	9.74		97383	
	inorganic material	silicondioxide	60676-86-0	931.263	41.98	51.82	419628	518046
leadfinish	non noble metal	tin	7440-31-5	7.877	0.35	0.35	3549	3549
plating	non noble metal	nickel	7440-02-0	1.656	0.07	0.07	746	746
solder	non noble metal	antimony	7440-36-0	0.304	0.01		137	
	noble metal	silver	7440-22-4	0.761	0.03		343	
	non noble metal	tin	7440-31-5	1.979	0.09	0.13	892	1372
heatspreader	non noble metal	iron	7439-89-6	0.145	0.01		65	
	inorganic material	phosphorus	7723-14-0	0.044	0.00		20	
	non noble metal	copper	7440-50-8	144.874	6.53	6.54	65281	65366
*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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