



Material Content Data Sheet



Sales Product Name				IPA075N15N3 G		Issued		22. January 2018	
MA#				MA001281828					
Package				PG-TO220-3-111		Weight*		2314.02 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	17.562	0.76	0.76	7590	7590	
leadframe	inorganic material	phosphorus	7723-14-0	0.206	0.01		89		
	non noble metal	iron	7439-89-6	0.687	0.03		297		
	non noble metal	copper	7440-50-8	686.221	29.65	29.69	296549	296935	
	non noble metal	aluminium	7429-90-5	9.346	0.40	0.40	4039	4039	
wire	non noble metal	aluminium	7429-90-5	9.346	0.40	0.40	4039	4039	
encapsulation	organic material	carbon black	1333-86-4	2.427	0.10		1049		
	plastics	epoxy resin	-	217.872	9.42		94153		
	inorganic material	silicondioxide	60676-86-0	931.585	40.27	49.79	402582	497784	
leadfinish	non noble metal	tin	7440-31-5	7.942	0.34	0.34	3432	3432	
plating	inorganic material	phosphorus	7723-14-0	0.001	0.00		1		
	non noble metal	nickel	7440-02-0	0.305	0.01	0.01	132	133	
solder	non noble metal	antimony	7440-36-0	0.719	0.03		311		
	noble metal	silver	7440-22-4	1.799	0.08		777		
	non noble metal	tin	7440-31-5	4.676	0.20	0.31	2021	3109	
heatspreader	inorganic material	phosphorus	7723-14-0	0.130	0.01		56		
	non noble metal	iron	7439-89-6	0.433	0.02		187		
	non noble metal	copper	7440-50-8	432.110	18.67	18.70	186735	186978	
*deviation	< 10%			Sum in total:		100.00		1000000	

Important Remarks:

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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