



Material Content Data Sheet



Sales Product Name				IPA126N10N3 G		Issued		27. September 2017	
MA#				MA000803290					
Package				PG-TO220-3-111		Weight*		2259.13 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	3.094	0.14	0.14	1369	1369	
leadframe	inorganic material	phosphorus	7723-14-0	0.206	0.01		91		
	non noble metal	iron	7439-89-6	0.687	0.03		304		
	non noble metal	copper	7440-50-8	686.221	30.38	30.42	303756	304151	
	non noble metal	aluminium	7429-90-5	6.217	0.28	0.28	2752	2752	
wire	non noble metal	aluminium	7429-90-5	6.217	0.28	0.28	2752	2752	
encapsulation	organic material	carbon black	1333-86-4	2.267	0.10		1003		
	plastics	epoxy resin	-	210.797	9.33		93309		
	inorganic material	silicondioxide	60676-86-0	906.659	40.12	49.55	401331	495643	
leadfinish	non noble metal	tin	7440-31-5	7.942	0.35	0.35	3515	3515	
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	135	136	
solder	non noble metal	antimony	7440-36-0	0.206	0.01		91		
	noble metal	silver	7440-22-4	0.515	0.02		228		
	non noble metal	tin	7440-31-5	1.338	0.06	0.09	592	911	
heatspreader	inorganic material	phosphorus	7723-14-0	0.130	0.01		57		
	non noble metal	iron	7439-89-6	0.433	0.02		192		
	non noble metal	copper	7440-50-8	432.110	19.13	19.16	191274	191523	
*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