



Material Content Data Sheet



Sales Product Name				IPA030N10N3 G		Issued		31. July 2018	
MA#				MA000800284					
Package				PG-TO220-3-111		Weight*		2234.75 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	15.455	0.69	0.69	6916	6916	
leadframe	inorganic material	phosphorus	7723-14-0	0.206	0.01		92		
	non noble metal	iron	7439-89-6	0.687	0.03		307		
	non noble metal	copper	7440-50-8	686.221	30.71	30.75	307068	307467	
	non noble metal	aluminium	7429-90-5	11.650	0.52	0.52	5213	5213	
wire	non noble metal	aluminium	7429-90-5	11.650	0.52	0.52	5213	5213	
encapsulation	organic material	carbon black	1333-86-4	2.227	0.10		996		
	plastics	epoxy resin	-	202.616	9.07		90666		
	inorganic material	silicondioxide	60676-86-0	868.353	38.84	48.01	388568	480230	
leadfinish	non noble metal	tin	7440-31-5	7.942	0.36	0.36	3554	3554	
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	136	137	
solder	non noble metal	antimony	7440-36-0	0.642	0.03		287		
	noble metal	silver	7440-22-4	1.604	0.07		718		
	non noble metal	tin	7440-31-5	4.171	0.19	0.29	1867	2872	
heatspreader	inorganic material	phosphorus	7723-14-0	0.130	0.01		58		
	non noble metal	iron	7439-89-6	0.433	0.02		194		
	non noble metal	copper	7440-50-8	432.110	19.34	19.37	193359	193611	
*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

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