



Material Content Data Sheet



Sales Product Name				IGA03N120H2		Issued		20. July 2018	
MA#				MA000268437					
Package				PG-TO220-3-111		Weight*		2238.77 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	1.920	0.09	0.09	858	858	
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	30.65	30.69	306518	306917	
	non noble metal	aluminium	7429-90-5	1.287	0.06	0.06	575	575	
wire	non noble metal	aluminium	7429-90-5	1.287	0.06	0.06	575	575	
encapsulation	organic material	carbon black	1333-86-4	2.221	0.10		992		
	plastics	epoxy resin	-	208.063	9.29		92937		
	inorganic material	silicondioxide	60676-86-0	895.979	40.02	49.41	400210	494139	
leadfinish	non noble metal	tin	7440-31-5	7.942	0.35	0.35	3547	3547	
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	0.126	0.01		56		
	noble metal	silver	7440-22-4	0.315	0.01		141		
	non noble metal	tin	7440-31-5	0.820	0.04	0.06	366	563	
heatspreader	inorganic material	phosphorus	7723-14-0	0.130	0.01		58		
	non noble metal	iron	7439-89-6	0.433	0.02		193		
	non noble metal	copper	7440-50-8	432.110	19.30	19.33	193013	193264	
*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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