



Material Content Data Sheet



Sales Product Name	IGA30N60H3			Issued		21. March 2016		
MA#	MA001072424							
Package	PG-TO220-3-111			Weight*		2242.37 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	3.012	0.13	0.13	1343	1343
leadframe	non noble metal	iron	7439-89-6	0.687	0.03		306	
	inorganic material	phosphorus	7723-14-0	0.206	0.01		92	
	non noble metal	copper	7440-50-8	686.221	30.60	30.64	306025	306423
wire	non noble metal	aluminium	7429-90-5	2.712	0.12	0.12	1210	1210
encapsulation	organic material	carbon black	1333-86-4	2.226	0.10		993	
	plastics	epoxy resin	-	208.148	9.28		92825	
	inorganic material	silicondioxide	60676-86-0	896.075	39.98	49.36	399610	493429
leadfinish	non noble metal	tin	7440-31-5	7.942	0.35	0.35	3542	3542
plating	non noble metal	nickel	7440-02-0	0.305	0.01		136	
	inorganic material	phosphorus	7723-14-0	0.001	0.00	0.01	1	136
solder	non noble metal	antimony	7440-36-0	0.216	0.01		96	
	noble metal	silver	7440-22-4	0.540	0.02		241	
	non noble metal	tin	7440-31-5	1.405	0.06	0.09	627	964
heatspreader	non noble metal	iron	7439-89-6	0.433	0.02		193	
	inorganic material	phosphorus	7723-14-0	0.130	0.01		58	
	non noble metal	copper	7440-50-8	432.110	19.27	19.30	192702	192953
*deviation	< 10%	Sum in total:			100.00		1000000	

Important Remarks:

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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 2011/65/EU (RoHS) and does not use any exemption.

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