



Material Content Data Sheet



Sales Product Name		IPA100N08N3 G		Issued		27. September 2017		
MA#		MA000800882						
Package		PG-TO220-3-111		Weight*		2255.58 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	2.461	0.11	0.11	1091	1091
leadframe	inorganic material	phosphorus	7723-14-0	0.206	0.01		91	
	non noble metal	iron	7439-89-6	0.687	0.03		305	
	non noble metal	copper	7440-50-8	686.221	30.42	30.46	304233	304629
	non noble metal	aluminium	7429-90-5	5.604	0.25	0.25	2484	2484
wire	non noble metal	aluminium	7429-90-5	5.604	0.25	0.25	2484	2484
encapsulation	organic material	carbon black	1333-86-4	2.257	0.10		1001	
	plastics	epoxy resin	-	210.393	9.33		93277	
	inorganic material	silicondioxide	60676-86-0	905.236	40.12	49.55	401331	495609
leadfinish	non noble metal	tin	7440-31-5	7.942	0.35	0.35	3521	3521
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	0.159	0.01		71	
	noble metal	silver	7440-22-4	0.398	0.02		176	
	non noble metal	tin	7440-31-5	1.035	0.05	0.08	459	706
heatspreader	inorganic material	phosphorus	7723-14-0	0.130	0.01		58	
	non noble metal	iron	7439-89-6	0.433	0.02		192	
	non noble metal	copper	7440-50-8	432.110	19.16	19.19	191574	191824
*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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