



Material Content Data Sheet



Sales Product Name				IPA028N08N3 G		Issued		25. January 2018	
MA#				MA001299308					
Package				PG-TO220-3-111		Weight*		2293.92 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	12.294	0.54	0.54	5359	5359	
leadframe	inorganic material	phosphorus	7723-14-0	0.206	0.01		90		
	non noble metal	iron	7439-89-6	0.687	0.03		300		
	non noble metal	copper	7440-50-8	686.221	29.91	29.95	299147	299537	
	non noble metal	aluminium	7429-90-5	8.725	0.38	0.38	3803	3803	
wire	non noble metal	aluminium	7429-90-5	8.725	0.38	0.38	3803	3803	
encapsulation	organic material	carbon black	1333-86-4	2.365	0.10		1031		
	plastics	epoxy resin	-	215.134	9.38		93784		
	inorganic material	silicondioxide	60676-86-0	921.939	40.19	49.67	401905	496720	
leadfinish	non noble metal	tin	7440-31-5	7.942	0.35	0.35	3462	3462	
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	133	134	
solder	non noble metal	antimony	7440-36-0	0.543	0.02		237		
	noble metal	silver	7440-22-4	1.357	0.06		592		
	non noble metal	tin	7440-31-5	3.528	0.15	0.23	1538	2367	
heatspreader	inorganic material	phosphorus	7723-14-0	0.130	0.01		57		
	non noble metal	iron	7439-89-6	0.433	0.02		189		
	non noble metal	copper	7440-50-8	432.110	18.84	18.87	188372	188618	
*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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