



Material Content Data Sheet



Sales Product Name		IPA060N06N		Issued		4. July 2019		
MA#		MA001333874						
Package		PG-TO220-3-313		Weight*		2208.02 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	1.049	0.05	0.05	475	475
leadframe	inorganic material	phosphorus	7723-14-0	0.271	0.01		123	
	non noble metal	iron	7439-89-6	0.903	0.04		409	
	non noble metal	copper	7440-50-8	902.149	40.86	40.91	408580	409112
	non noble metal	aluminium	7429-90-5	3.494	0.16	0.16	1582	1582
wire	non noble metal	aluminium	7429-90-5	3.494	0.16	0.16	1582	1582
encapsulation	organic material	carbon black	1333-86-4	2.296	0.10		1040	
	plastics	epoxy resin	-	215.281	9.75		97500	
	inorganic material	silicondioxide	60676-86-0	927.171	41.99	51.84	419911	518451
leadfinish	non noble metal	tin	7440-31-5	7.877	0.36	0.36	3567	3567
plating	non noble metal	nickel	7440-02-0	1.656	0.08	0.08	750	750
solder	non noble metal	antimony	7440-36-0	0.081	0.00		36	
	noble metal	silver	7440-22-4	0.201	0.01		91	
	non noble metal	tin	7440-31-5	0.524	0.02	0.03	237	364
heatspreader	inorganic material	phosphorus	7723-14-0	0.044	0.00		20	
	non noble metal	iron	7439-89-6	0.145	0.01		66	
	non noble metal	copper	7440-50-8	144.874	6.56	6.57	65613	65699
*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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