



Material Content Data Sheet



Sales Product Name		IPP200N25N3 G		Issued		20. July 2018		
MA#		MA001641494						
Package		PG-TO220-3-123		Weight*		2033.50 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	17.562	0.86	0.86	8637	8637
leadframe	inorganic material	phosphorus	7723-14-0	0.245	0.01		120	
	non noble metal	iron	7439-89-6	0.816	0.04		401	
	non noble metal	copper	7440-50-8	815.335	40.08	40.13	400953	401474
	non noble metal	aluminium	7429-90-5	11.509	0.57	0.57	5660	5660
wire	non noble metal	aluminium	7429-90-5	11.509	0.57	0.57	5660	5660
encapsulation	organic material	carbon black	1333-86-4	2.269	0.11		1116	
	plastics	epoxy resin	-	65.814	3.24		32365	
	inorganic material	silicondioxide	60676-86-0	499.281	24.55	27.90	245529	279010
leadfinish	non noble metal	tin	7440-31-5	21.462	1.06	1.06	10554	10554
plating	non noble metal	nickel	7440-02-0	1.764	0.09	0.09	867	867
solder	non noble metal	antimony	7440-36-0	0.720	0.04		354	
	noble metal	silver	7440-22-4	1.801	0.09		886	
	non noble metal	tin	7440-31-5	4.682	0.23	0.36	2303	3543
heatspreader	inorganic material	phosphorus	7723-14-0	0.177	0.01		87	
	non noble metal	iron	7439-89-6	0.590	0.03		290	
	non noble metal	copper	7440-50-8	589.466	28.99	29.03	289878	290255
*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 2015/863/EU amending Annex II to EU Directive 2011/65/EU (RoHS) and does not use any exemption

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