



Material Content Data Sheet



Sales Product Name				IPP126N10N3 G		Issued		20. July 2018	
MA#				MA000803246					
Package				PG-TO220-3-1		Weight*		2031.32 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	3.094	0.15	0.15	1523	1523	
leadframe	inorganic material	phosphorus	7723-14-0	0.245	0.01		121		
	non noble metal	iron	7439-89-6	0.816	0.04		402		
	non noble metal	copper	7440-50-8	815.335	40.13	40.18	401381	401904	
	non noble metal	aluminium	7429-90-5	6.863	0.34	0.34	3379	3379	
wire	non noble metal	aluminium	7429-90-5	6.863	0.34	0.34	3379	3379	
encapsulation	organic material	carbon black	1333-86-4	5.910	0.29		2909		
	plastics	epoxy resin	-	112.283	5.53		55276		
	inorganic material	silicondioxide	60676-86-0	472.772	23.27	29.09	232742	290927	
leadfinish	non noble metal	tin	7440-31-5	21.462	1.06	1.06	10566	10566	
plating	inorganic material	phosphorus	7723-14-0	0.001	0.00		1		
	non noble metal	nickel	7440-02-0	0.244	0.01	0.01	120	121	
solder	non noble metal	antimony	7440-36-0	0.206	0.01		101		
	noble metal	silver	7440-22-4	0.515	0.03		253		
	non noble metal	tin	7440-31-5	1.338	0.07	0.11	659	1013	
heatspreader	inorganic material	phosphorus	7723-14-0	0.177	0.01		87		
	non noble metal	iron	7439-89-6	0.590	0.03		291		
	non noble metal	copper	7440-50-8	589.466	29.02	29.06	290189	290567	
*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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