



Material Content Data Sheet



Sales Product Name				IGP40N65F5		Issued		25. September 2017	
MA#				MA000973704					
Package				PG-TO220-3-1		Weight*		2030.79 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	2.080	0.10	0.10	1024	1024	
leadframe	non noble metal	iron	7439-89-6	0.816	0.04		402		
	inorganic material	phosphorus	7723-14-0	0.245	0.01		121		
	non noble metal	copper	7440-50-8	815.335	40.15	40.20	401486	402009	
wire	non noble metal	aluminium	7429-90-5	5.464	0.27	0.27	2691	2691	
encapsulation	organic material	carbon black	1333-86-4	5.931	0.29		2921		
	plastics	epoxy resin	-	112.689	5.55		55491		
	inorganic material	silicondioxide	60676-86-0	474.481	23.36	29.20	233644	292056	
leadfinish	non noble metal	tin	7440-31-5	21.462	1.06	1.06	10569	10569	
plating	non noble metal	nickel	7440-02-0	0.244	0.01		120		
	inorganic material	phosphorus	7723-14-0	0.001	0.00	0.01	401485	120	
solder	non noble metal	antimony	7440-36-0	0.180	0.01		89		
	noble metal	silver	7440-22-4	0.451	0.02		222		
	non noble metal	tin	7440-31-5	1.173	0.06	0.09	577	888	
heatspreader	non noble metal	iron	7439-89-6	0.590	0.03		291		
	inorganic material	phosphorus	7723-14-0	0.177	0.01		87		
	non noble metal	copper	7440-50-8	589.466	29.03	29.07	290265	290643	
*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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