



Material Content Data Sheet



Sales Product Name		IGP50N60T		Issued		20. July 2018		
MA#		MA001239472						
Package		PG-TO220-3-1		Weight*		2032.85 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	5.465	0.27	0.27	2688	2688
leadframe	non noble metal	iron	7439-89-6	0.816	0.04		402	
	inorganic material	phosphorus	7723-14-0	0.245	0.01		120	
	non noble metal	copper	7440-50-8	815.335	40.10	40.15	401080	401602
wire	non noble metal	aluminium	7429-90-5	5.436	0.27	0.27	2674	2674
encapsulation	organic material	carbon black	1333-86-4	5.899	0.29		2902	
	plastics	epoxy resin	-	112.073	5.51		55131	
	inorganic material	silicondioxide	60676-86-0	471.885	23.21	29.01	232130	290163
leadfinish	non noble metal	tin	7440-31-5	21.462	1.06	1.06	10558	10558
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	401079	120
solder	non noble metal	antimony	7440-36-0	0.375	0.02		185	
	noble metal	silver	7440-22-4	0.939	0.05		462	
	non noble metal	tin	7440-31-5	2.440	0.12	0.19	1200	1847
heatspreader	non noble metal	iron	7439-89-6	0.590	0.03		290	
	inorganic material	phosphorus	7723-14-0	0.177	0.01		87	
	non noble metal	copper	7440-50-8	589.466	29.00	29.04	289971	290348
*deviation	< 10%				Sum in total:	100.00		1000000

Important Remarks:

1. Infineon Technologies AG provides full material declaration based on information provided by third parties and has taken and continues to take reasonable steps to provide representative and accurate information.
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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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