



Material Content Data Sheet



Sales Product Name		IGP20N65F5		Issued		19. July 2018		
MA#		MA001133418						
Package		PG-TO220-3-1		Weight*		2029.78 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	1.175	0.06	0.06	579	579
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	40.17	40.22	401685	402209
wire	non noble metal	aluminium	7429-90-5	2.964	0.15	0.15	1460	1460
encapsulation	organic material	carbon black	1333-86-4	5.962	0.29		2937	
	plastics	epoxy resin	-	113.286	5.58		55812	
	inorganic material	silicondioxide	60676-86-0	476.993	23.50	29.37	234997	293746
leadfinish	non noble metal	tin	7440-31-5	21.462	1.06	1.06	10574	10574
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	1	120
solder	non noble metal	antimony	7440-36-0	0.107	0.01		53	
	noble metal	silver	7440-22-4	0.266	0.01		131	
	non noble metal	tin	7440-31-5	0.693	0.03	0.05	341	525
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	29.04	29.08	290409	290787
*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.
2. Infineon Technologies AG and Infineon Technologies AG suppliers consider certain information to be proprietary, and thus CAS numbers and other limited information may not be available for release.
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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