



Material Content Data Sheet



Sales Product Name		IGP40N65F5		Issued		19. July 2018		
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:

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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