



Material Content Data Sheet



Sales Product Name		IPA040N06N		Issued		4. March 2019		
MA#		MA001215348						
Package		PG-TO220-3-111		Weight*		2237.70 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	1.427	0.06	0.06	638	638
leadframe	inorganic material	phosphorus	7723-14-0	0.206	0.01		92	
	non noble metal	iron	7439-89-6	0.687	0.03		307	
	non noble metal	copper	7440-50-8	686.221	30.67	30.71	306663	307062
	non noble metal	aluminium	7429-90-5	5.878	0.26	0.26	2627	2627
wire	organic material	carbon black	1333-86-4	2.217	0.10		991	
encapsulation	plastics	epoxy resin	-	207.199	9.26		92595	
	inorganic material	silicondioxide	60676-86-0	891.889	39.87	49.23	398574	492160
leadfinish	non noble metal	tin	7440-31-5	7.942	0.35	0.35	3549	3549
plating	inorganic material	phosphorus	7723-14-0	0.001	0.00		1	
	non noble metal	nickel	7440-02-0	0.305	0.01	0.01	136	137
solder	non noble metal	antimony	7440-36-0	0.106	0.00		47	
	noble metal	silver	7440-22-4	0.264	0.01		118	
heatspreader	non noble metal	tin	7440-31-5	0.686	0.03	0.04	307	472
	inorganic material	phosphorus	7723-14-0	0.130	0.01		58	
	non noble metal	iron	7439-89-6	0.433	0.02		193	
	non noble metal	copper	7440-50-8	432.110	19.31	19.34	193104	193355
*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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