



Material Content Data Sheet



Sales Product Name				IPP05CN10N G		Issued		27. September 2017	
MA#				MA001070648					
Package				PG-TO220-3-123		Weight*		2032.52 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	15.224	0.75	0.75	7490	7490	
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	40.12	40.17	401144	401667	
wire	non noble metal	aluminium	7429-90-5	9.198	0.45	0.45	4525	4525	
encapsulation	organic material	carbon black	1333-86-4	2.286	0.11		1125		
	plastics	epoxy resin	-	66.289	3.26		32614		
	inorganic material	silicondioxide	60676-86-0	502.884	24.74	28.11	247419	281158	
leadfinish	non noble metal	tin	7440-31-5	21.462	1.06	1.06	10559	10559	
plating	non noble metal	nickel	7440-02-0	1.764	0.09	0.09	868	868	
solder	noble metal	silver	7440-22-4	1.697	0.08		835		
	non noble metal	antimony	7440-36-0	0.679	0.03		334		
	non noble metal	tin	7440-31-5	4.411	0.22	0.33	2170	3339	
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	290017	290394	
*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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