



Material Content Data Sheet



Sales Product Name		IPP80P04P4-07		Issued		27. September 2017		
MA#		MA000892162						
Package		PG-TO220-3-1		Weight*		2034.54 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	2.544	0.13	0.13	1251	1251
leadframe	non noble metal	iron	7439-89-6	0.816	0.04		401	
	inorganic material	phosphorus	7723-14-0	0.245	0.01		120	
	non noble metal	copper	7440-50-8	815.335	40.08	40.13	400746	401268
wire	non noble metal	aluminium	7429-90-5	5.904	0.29	0.29	2902	2902
encapsulation	organic material	carbon black	1333-86-4	8.932	0.44		4390	
	plastics	epoxy resin	-	98.251	4.83		48291	
	inorganic material	silicondioxide	60676-86-0	488.277	24.00	29.27	239993	292674
leadfinish	non noble metal	tin	7440-31-5	21.462	1.05	1.05	10549	10549
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	noble metal	silver	7440-22-4	0.057	0.00		28	
	non noble metal	tin	7440-31-5	0.046	0.00		23	
	non noble metal	lead	7439-92-1	2.196	0.11	0.11	1079	1130
heatspreader	inorganic material	phosphorus	7723-14-0	0.177	0.01		87	
	non noble metal	iron	7439-89-6	0.590	0.03		290	
	non noble metal	copper	7440-50-8	589.466	28.97	29.01	289729	290106
*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 contains Pb according RoHS exemption 7a, Lead in high melting temperature type solders.

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