



Material Content Data Sheet



Sales Product Name				IPP60R199CP		Issued		20. July 2018	
MA#				MA001394936					
Package				PG-TO220-3-123		Weight*		2028.50 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	8.809	0.43	0.43	4343	4343	
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	40.20	40.25	401939	402462	
wire	non noble metal	aluminium	7429-90-5	2.638	0.13	0.13	1301	1301	
encapsulation	organic material	carbon black	1333-86-4	2.332	0.12		1150		
	plastics	epoxy resin	-	67.628	3.33		33339		
	inorganic material	silicondioxide	60676-86-0	513.040	25.29	28.74	252916	287405	
leadfinish	non noble metal	tin	7440-31-5	21.462	1.06	1.06	10580	10580	
plating	non noble metal	nickel	7440-02-0	1.764	0.09	0.09	869	869	
solder	non noble metal	antimony	7440-36-0	0.420	0.02		207		
	noble metal	silver	7440-22-4	1.050	0.05		518		
	non noble metal	tin	7440-31-5	2.731	0.13	0.20	1346	2071	
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	29.06	29.10	290591	290969	
*deviation	< 10%					Sum in total:	100.00	1000000	

Important Remarks:

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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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