



## Material Content Data Sheet



<b>Sales Product Name</b>		IPP60R199CP		<b>Issued</b>		1. August 2018		
<b>MA#</b>		MA001674910						
<b>Package</b>		PG-TO220-3-123		<b>Weight*</b>		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	inorganic material	phosphorus	7723-14-0	0.245	0.01		121	
	non noble metal	iron	7439-89-6	0.816	0.04		402	
	non noble metal	copper	7440-50-8	815.335	40.20	40.25	401939	402462
	non noble metal	aluminium	7429-90-5	2.638	0.13	0.13	1300	1300
wire	organic material	carbon black	1333-86-4	2.332	0.12		1150	
encapsulation	plastics	epoxy resin	-	67.628	3.33		33339	
	inorganic material	silicondioxide	60676-86-0	513.041	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	
heatspreader	non noble metal	tin	7440-31-5	2.731	0.13	0.20	1346	2071
	inorganic material	phosphorus	7723-14-0	0.177	0.01		87	
	non noble metal	iron	7439-89-6	0.590	0.03		291	
	non noble metal	copper	7440-50-8	589.466	29.06	29.10	290592	290970
*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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