



Material Content Data Sheet



Sales Product Name		IPP60R170CFD7		Issued		24. January 2018		
MA#		MA001714906						
Package		PG-TO220-3-123		Weight*		2026.43 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	4.363	0.22	0.22	2153	2153
leadframe	inorganic material	phosphorus	7723-14-0	0.245	0.01		121	
	non noble metal	iron	7439-89-6	0.816	0.04		403	
	non noble metal	copper	7440-50-8	815.335	40.23	40.28	402350	402874
	non noble metal	aluminium	7429-90-5	2.571	0.13	0.13	1269	1269
wire	non noble metal	aluminium	7429-90-5	2.571	0.13	0.13	1269	1269
encapsulation	organic material	carbon black	1333-86-4	2.348	0.12		1159	
	plastics	epoxy resin	-	68.102	3.36		33607	
	inorganic material	silicondioxide	60676-86-0	516.635	25.49	28.97	254949	289715
leadfinish	non noble metal	tin	7440-31-5	21.462	1.06	1.06	10591	10591
plating	non noble metal	nickel	7440-02-0	1.764	0.09	0.09	870	870
solder	non noble metal	antimony	7440-36-0	0.256	0.01		126	
	noble metal	silver	7440-22-4	0.639	0.03		315	
	non noble metal	tin	7440-31-5	1.661	0.08	0.12	820	1261
heatspreader	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	29.09	29.13	290889	291267
*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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