



Material Content Data Sheet



Sales Product Name		IPP60R299CP		Issued		25. September 2017		
MA#		MA001393658						
Package		PG-TO220-3-123		Weight*		2027.16 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	6.215	0.31	0.31	3066	3066
leadframe	non noble metal	iron	7439-89-6	0.816	0.04		403	
	inorganic material	phosphorus	7723-14-0	0.245	0.01		121	
	non noble metal	copper	7440-50-8	815.335	40.19	40.24	402206	402730
wire	non noble metal	aluminium	7429-90-5	1.321	0.07	0.07	652	652
encapsulation	organic material	carbon black	1333-86-4	2.346	0.12		1157	
	plastics	epoxy resin	-	68.033	3.36		33561	
	inorganic material	silicondioxide	60676-86-0	516.113	25.46	28.94	254598	289316
leadfinish	non noble metal	tin	7440-31-5	21.462	1.06	1.06	10587	10587
plating	non noble metal	nickel	7440-02-0	1.764	0.09	0.09	870	870
solder	non noble metal	antimony	7440-36-0	0.328	0.02		162	
	noble metal	silver	7440-22-4	0.820	0.04		404	
	non noble metal	tin	7440-31-5	2.132	0.11	0.17	1052	1618
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	29.08	29.12	290783	291161
*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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