



Material Content Data Sheet



Sales Product Name				IPP90R340C3		Issued		20. July 2018	
MA#				MA000993322					
Package				PG-TO220-3-123		Weight*		2030.47 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	13.276	0.65	0.65	6538	6538	
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	40.15	40.20	401550	402073	
wire	non noble metal	aluminium	7429-90-5	2.743	0.14	0.14	1351	1351	
encapsulation	organic material	carbon black	1333-86-4	2.316	0.11		1140		
	plastics	epoxy resin	-	67.153	3.31		33073		
	inorganic material	silicondioxide	60676-86-0	509.436	25.09	28.51	250896	285109	
leadfinish	non noble metal	tin	7440-31-5	21.462	1.06	1.06	10570	10570	
plating	non noble metal	nickel	7440-02-0	1.764	0.09	0.09	869	869	
solder	non noble metal	antimony	7440-36-0	0.569	0.03		280		
	noble metal	silver	7440-22-4	1.422	0.07		700		
	non noble metal	tin	7440-31-5	3.697	0.18	0.28	1821	2801	
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	29.03	29.07	290311	290689	
*deviation	< 10%					Sum in total:	100.00	1000000	

Important Remarks:

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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

Company	Infineon Technologies AG
Address	81726 München
Internet	www.infineon.com