



Material Content Data Sheet



Sales Product Name				IPP60R380C6		Issued		27. October 2015	
MA#				MA001425204					
Package				PG-TO220-3-1		Weight*		2031.55 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	4.522	0.22	0.22	2226	2226	
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	40.14	40.19	401335	401859	
wire	non noble metal	aluminium	7429-90-5	0.764	0.04	0.04	376	376	
encapsulation	organic material	carbon black	1333-86-4	5.951	0.29		2929		
	plastics	epoxy resin	-	113.060	5.57		55652		
	inorganic material	silicondioxide	60676-86-0	476.040	23.43	29.29	234324	292905	
leadfinish	non noble metal	tin	7440-31-5	21.731	1.07	1.07	10697	10697	
plating	non noble metal	nickel	7440-02-0	0.244	0.01		120		
	inorganic material	phosphorus	7723-14-0	0.001	0.00	0.01	1	120	
solder	non noble metal	antimony	7440-36-0	0.261	0.01		128		
	noble metal	silver	7440-22-4	0.652	0.03		321		
	non noble metal	tin	7440-31-5	1.694	0.08	0.12	834	1283	
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	29.02	29.06	290156	290534	
*deviation	< 10%			Sum in total:		100.00		1000000	

Important Remarks:

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This product is in compliance with EU Directive 2011/65/EU (RoHS) and does not use any exemption.

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