



Material Content Data Sheet



Sales Product Name				IPP60R125P6		Issued		11. September 2014	
MA#				MA001118826					
Package				PG-TO220-3-1		Weight*		2034.94 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	12.221	0.60	0.60	6006	6006	
leadframe	non noble metal	iron	7439-89-6	0.816	0.04		401		
	inorganic material	phosphorus	7723-14-0	0.245	0.01		120		
	non noble metal	copper	7440-50-8	815.335	40.07	40.12	400667	401188	
wire	non noble metal	aluminium	7429-90-5	2.892	0.14	0.14	1421	1421	
encapsulation	organic material	carbon black	1333-86-4	5.861	0.29		2880		
	plastics	epoxy resin	-	111.368	5.47		54728		
	inorganic material	silicondioxide	60676-86-0	468.919	23.04	28.80	230433	288041	
leadfinish	non noble metal	tin	7440-31-5	21.462	1.05	1.05	10547	10547	
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	400666	120	
solder	non noble metal	antimony	7440-36-0	0.535	0.03		263		
	noble metal	silver	7440-22-4	1.337	0.07		657		
	non noble metal	tin	7440-31-5	3.475	0.17	0.27	1708	2628	
heatspreader	non noble metal	iron	7439-89-6	0.590	0.03		290		
	inorganic material	phosphorus	7723-14-0	0.177	0.01		87		
	non noble metal	copper	7440-50-8	589.466	28.97	29.01	289672	290049	
*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