



## Material Content Data Sheet



<b>Sales Product Name</b>				IPP60R099P7		<b>Issued</b>		24. January 2018	
<b>MA#</b>				MA002103750					
<b>Package</b>				PG-TO220-3-1		<b>Weight*</b>		2032.71 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	7.092	0.35	0.35	3489	3489	
leadframe	inorganic material	phosphorus	7723-14-0	0.245	0.01		120		
	non noble metal	iron	7439-89-6	0.816	0.04		402		
	non noble metal	copper	7440-50-8	815.335	40.12	40.17	401105	401627	
	non noble metal	aluminium	7429-90-5	2.885	0.14	0.14	1419	1419	
wire	non noble metal	aluminium	7429-90-5	2.885	0.14	0.14	1419	1419	
encapsulation	organic material	carbon black	1333-86-4	5.908	0.29		2907		
	plastics	epoxy resin	-	112.255	5.52		55224		
	inorganic material	silicondioxide	60676-86-0	472.652	23.25	29.06	232523	290654	
leadfinish	non noble metal	tin	7440-31-5	21.462	1.06	1.06	10559	10559	
plating	inorganic material	phosphorus	7723-14-0	0.001	0.00		1		
	non noble metal	nickel	7440-02-0	0.244	0.01	0.01	120	121	
solder	non noble metal	antimony	7440-36-0	0.359	0.02		176		
	noble metal	silver	7440-22-4	0.897	0.04		441		
	non noble metal	tin	7440-31-5	2.331	0.11	0.17	1147	1764	
heatspreader	inorganic material	phosphorus	7723-14-0	0.177	0.01		87		
	non noble metal	iron	7439-89-6	0.590	0.03		290		
	non noble metal	copper	7440-50-8	589.466	29.00	29.04	289990	290367	
*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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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