



## Material Content Data Sheet



<b>Sales Product Name</b>		IPP80R750P7		<b>Issued</b>		19. January 2018		
<b>MA#</b>		MA001652324						
<b>Package</b>		PG-TO220-3-1		<b>Weight*</b>		2030.06 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	2.170	0.11	0.11	1069	1069
leadframe	inorganic material	phosphorus	7723-14-0	0.245	0.01		121	
	non noble metal	iron	7439-89-6	0.816	0.04		402	
	non noble metal	copper	7440-50-8	815.335	40.15	40.20	401631	402154
	non noble metal	aluminium	7429-90-5	0.768	0.04	0.04	378	378
wire	non noble metal	aluminium	7429-90-5	0.768	0.04	0.04	378	378
encapsulation	organic material	carbon black	1333-86-4	5.972	0.29		2942	
	plastics	epoxy resin	-	113.477	5.59		55899	
	inorganic material	silicondioxide	60676-86-0	477.800	23.54	29.42	235363	294204
leadfinish	non noble metal	tin	7440-31-5	21.462	1.06	1.06	10572	10572
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	0.153	0.01		75	
	noble metal	silver	7440-22-4	0.383	0.02		189	
	non noble metal	tin	7440-31-5	0.995	0.05	0.08	490	754
heatspreader	inorganic material	phosphorus	7723-14-0	0.177	0.01		87	
	non noble metal	iron	7439-89-6	0.590	0.03		291	
	non noble metal	copper	7440-50-8	589.466	29.04	29.08	290370	290748
*deviation	< 10%		Sum in total:			100.00		1000000

### Important Remarks:

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