



## Material Content Data Sheet



<b>Sales Product Name</b>		IPI90R500C3		<b>Issued</b>		22. January 2018		
<b>MA#</b>		MA000669518						
<b>Package</b>		PG-TO262-3-1		<b>Weight*</b>		1571.42 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	9.945	0.63	0.63	6329	6329
leadframe	non noble metal	iron	7439-89-6	0.851	0.05		541	
	inorganic material	phosphorus	7723-14-0	0.255	0.02		162	
	non noble metal	copper	7440-50-8	849.682	54.08	54.15	540710	541414
wire	non noble metal	aluminium	7429-90-5	2.674	0.17	0.17	1701	1701
encapsulation	organic material	carbon black	1333-86-4	5.816	0.37		3701	
	plastics	epoxy resin	-	110.510	7.03		70325	
	inorganic material	silicondioxide	60676-86-0	465.306	29.61	37.01	296106	370132
leadfinish	non noble metal	tin	7440-31-5	15.198	0.97	0.97	9671	9671
plating	non noble metal	nickel	7440-02-0	0.228	0.01		145	
	inorganic material	phosphorus	7723-14-0	0.001	0.00	0.01	1	145
solder	non noble metal	antimony	7440-36-0	0.461	0.03		293	
	noble metal	silver	7440-22-4	1.152	0.07		733	
	non noble metal	tin	7440-31-5	2.994	0.19	0.29	1905	2931
heatspreader	non noble metal	iron	7439-89-6	0.106	0.01		68	
	inorganic material	phosphorus	7723-14-0	0.032	0.00		20	
	non noble metal	copper	7440-50-8	106.210	6.76	6.77	67589	67677
*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