



## Material Content Data Sheet



<b>Sales Product Name</b>				IPI90R500C3		<b>Issued</b>		20. July 2018	
<b>MA#</b>				MA001639336					
<b>Package</b>				PG-TO262-3-22		<b>Weight*</b>		1566.48 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	6349	6349	
leadframe	non noble metal	iron	7439-89-6	0.851	0.05		543		
	inorganic material	phosphorus	7723-14-0	0.255	0.02		163		
	non noble metal	copper	7440-50-8	849.682	54.24	54.31	542415	543121	
wire	non noble metal	aluminium	7429-90-5	2.656	0.17	0.17	1696	1696	
encapsulation	organic material	carbon black	1333-86-4	2.301	0.15		1469		
	plastics	epoxy resin	-	66.733	4.26		42600		
	inorganic material	silicondioxide	60676-86-0	506.248	32.32	36.73	323175	367244	
leadfinish	non noble metal	tin	7440-31-5	15.198	0.97	0.97	9702	9702	
plating	non noble metal	nickel	7440-02-0	1.651	0.11	0.11	1054	1054	
solder	non noble metal	antimony	7440-36-0	0.461	0.03		294		
	noble metal	silver	7440-22-4	1.153	0.07		736		
	non noble metal	tin	7440-31-5	2.998	0.19	0.29	1914	2944	
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	6.78	6.79	67802	67890	
*deviation	< 10%					Sum in total:	100.00	1000000	

### Important Remarks:

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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