



## Material Content Data Sheet



<b>Sales Product Name</b>		IPI60R165CP		<b>Issued</b>		1. August 2018		
<b>MA#</b>		MA001638508						
<b>Package</b>		PG-TO262-3-22		<b>Weight*</b>		1566.65 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	10.313	0.66	0.66	6583	6583
leadframe	inorganic material	phosphorus	7723-14-0	0.255	0.02		163	
	non noble metal	iron	7439-89-6	0.851	0.05		543	
wire	non noble metal	copper	7440-50-8	849.682	54.21	54.28	542358	543064
	non noble metal	aluminium	7429-90-5	2.640	0.17	0.17	1685	1685
encapsulation	organic material	carbon black	1333-86-4	2.300	0.15		1468	
	plastics	epoxy resin	-	66.696	4.26		42572	
leadfinish	inorganic material	silicondioxide	60676-86-0	505.968	32.30	36.71	322963	367003
	non noble metal	tin	7440-31-5	15.198	0.97	0.97	9701	9701
plating	non noble metal	nickel	7440-02-0	1.651	0.11	0.11	1054	1054
solder	non noble metal	antimony	7440-36-0	0.474	0.03		303	
	noble metal	silver	7440-22-4	1.186	0.08		757	
heatspreader	non noble metal	tin	7440-31-5	3.084	0.20	0.31	1968	3028
	inorganic material	phosphorus	7723-14-0	0.032	0.00		20	
	non noble metal	iron	7439-89-6	0.106	0.01		68	
	non noble metal	copper	7440-50-8	106.210	6.78	6.79	67794	67882
*deviation	< 10%		Sum in total:			100.00		1000000

### Important Remarks:

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3. All statements are based on our present knowledge, are provided 'as is' and may be subject to change at any time due to technical requirements and development without notification.

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