



## Material Content Data Sheet



<b>Sales Product Name</b>		IPI65R190CFD		<b>Issued</b>		23. January 2018		
<b>MA#</b>		MA001805574						
<b>Package</b>		PG-TO262-3-22		<b>Weight*</b>		1566.24 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	9.459	0.60	0.60	6039	6039
leadframe	inorganic material	phosphorus	7723-14-0	0.255	0.02		163	
	non noble metal	iron	7439-89-6	0.851	0.05		543	
	non noble metal	copper	7440-50-8	849.682	54.26	54.33	542499	543205
	non noble metal	aluminium	7429-90-5	2.537	0.16	0.16	1620	1620
wire	non noble metal	aluminium	7429-90-5	2.537	0.16	0.16	1620	1620
encapsulation	organic material	carbon black	1333-86-4	2.303	0.15		1471	
	plastics	epoxy resin	-	66.796	4.26		42647	
	inorganic material	silicondioxide	60676-86-0	506.728	32.35	36.76	323532	367650
leadfinish	non noble metal	tin	7440-31-5	15.198	0.97	0.97	9703	9703
plating	non noble metal	nickel	7440-02-0	1.651	0.11	0.11	1054	1054
solder	non noble metal	antimony	7440-36-0	0.443	0.03		283	
	noble metal	silver	7440-22-4	1.108	0.07		707	
	non noble metal	tin	7440-31-5	2.880	0.18	0.28	1839	2829
heatspreader	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	67812	67900
*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

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