



## Material Content Data Sheet



<b>Sales Product Name</b>		IPI60R190C6		<b>Issued</b>		20. July 2018		
<b>MA#</b>		MA001724640						
<b>Package</b>		PG-TO262-3-22		<b>Weight*</b>		1565.63 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	8.148	0.52	0.52	5204	5204
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	542711	543417
	non noble metal	aluminium	7429-90-5	2.460	0.16	0.16	1571	1571
wire	organic material	carbon black	1333-86-4	2.308	0.15		1474	
encapsulation	plastics	epoxy resin	-	66.941	4.28		42757	
	inorganic material	silicondioxide	60676-86-0	507.830	32.44	36.87	324363	368594
leadfinish	non noble metal	tin	7440-31-5	15.198	0.97	0.97	9707	9707
plating	non noble metal	nickel	7440-02-0	1.651	0.11	0.11	1054	1054
solder	non noble metal	antimony	7440-36-0	0.395	0.03		253	
	noble metal	silver	7440-22-4	0.989	0.06		631	
heatspreader	non noble metal	tin	7440-31-5	2.570	0.16	0.25	1642	2526
	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	67839	67927
*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

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