



Material Content Data Sheet



Sales Product Name				IPI60R190C6		Issued		4. July 2019	
MA#				MA005341230					
Package				PG-TO262-3-22		Weight*		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	non noble metal	aluminium	7429-90-5	2.460	0.16	0.16	1571	1571	
encapsulation	organic material	carbon black	1333-86-4	2.308	0.15		1474		
	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		
	non noble metal	tin	7440-31-5	2.570	0.16	0.25	1642	2526	
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	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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