



Material Content Data Sheet



Sales Product Name		IPI60R190C6		Issued		29. August 2013		
MA#		MA001135256						
Package		PG-TO262-3-22		Weight*		1565.78 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	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	54.25	54.32	542659	543365
wire	non noble metal	aluminium	7429-90-5	2.387	0.15	0.15	1525	1525
encapsulation	organic material	carbon black	1333-86-4	2.309	0.15		1474	
	plastics	epoxy resin	-	66.949	4.28		42758	
	inorganic material	silicondioxide	60676-86-0	507.887	32.44	36.87	324368	368600
leadfinish	non noble metal	tin	7440-31-5	15.198	0.97	0.97	9706	9706
plating	non noble metal	nickel	7440-02-0	1.651	0.11	0.11	1054	1054
solder	noble metal	silver	7440-22-4	1.028	0.07		656	
	non noble metal	antimony	7440-36-0	0.411	0.03		263	
	non noble metal	tin	7440-31-5	2.672	0.17	0.27	1707	2626
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	67832	67920
*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.

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