



Material Content Data Sheet



Sales Product Name				IPI50R140CP		Issued		20. July 2018	
MA#				MA000911616					
Package				PG-TO262-3-1		Weight*		1575.25 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	11.898	0.76	0.76	7553	7553	
leadframe	non noble metal	iron	7439-89-6	0.851	0.05		540		
	inorganic material	phosphorus	7723-14-0	0.255	0.02		162		
	non noble metal	copper	7440-50-8	849.682	53.94	54.01	539393	540096	
wire	non noble metal	aluminium	7429-90-5	27.177	1.73	1.73	17252	17252	
encapsulation	organic material	carbon black	1333-86-4	5.582	0.35		3543		
	plastics	epoxy resin	-	106.056	6.73		67326		
	inorganic material	silicondioxide	60676-86-0	446.550	28.35	35.43	283478	354347	
leadfinish	non noble metal	tin	7440-31-5	15.388	0.98	0.98	9768	9768	
plating	non noble metal	nickel	7440-02-0	0.228	0.01		145		
	inorganic material	phosphorus	7723-14-0	0.001	0.00	0.01	1	145	
solder	non noble metal	antimony	7440-36-0	0.524	0.03		333		
	noble metal	silver	7440-22-4	1.310	0.08		832		
	non noble metal	tin	7440-31-5	3.406	0.22	0.33	2162	3327	
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	6.74	6.75	67424	67512	
*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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