



Material Content Data Sheet



Sales Product Name		IPA60R125CP		Issued		31. July 2018		
MA#		MA001674880						
Package		PG-TO220-3-313		Weight*		2205.33 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	13.508	0.61	0.61	6125	6125
leadframe	inorganic material	phosphorus	7723-14-0	0.271	0.01		123	
	non noble metal	iron	7439-89-6	0.903	0.04		410	
	non noble metal	copper	7440-50-8	902.149	40.91	40.96	409075	409608
	non noble metal	aluminium	7429-90-5	3.006	0.14	0.14	1363	1363
wire	non noble metal	aluminium	7429-90-5	3.006	0.14	0.14	1363	1363
encapsulation	organic material	carbon black	1333-86-4	2.320	0.11		1052	
	plastics	epoxy resin	-	212.276	9.63		96255	
	inorganic material	silicondioxide	60676-86-0	910.546	41.26	51.00	412885	510192
leadfinish	non noble metal	tin	7440-31-5	7.877	0.36	0.36	3572	3572
plating	non noble metal	nickel	7440-02-0	1.656	0.08	0.08	751	751
solder	non noble metal	antimony	7440-36-0	0.576	0.03		261	
	noble metal	silver	7440-22-4	1.440	0.07		653	
	non noble metal	tin	7440-31-5	3.743	0.17	0.27	1697	2611
heatspreader	inorganic material	phosphorus	7723-14-0	0.044	0.00		20	
	non noble metal	iron	7439-89-6	0.145	0.01		66	
	non noble metal	copper	7440-50-8	144.874	6.57	6.58	65692	65778
*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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