



Material Content Data Sheet



Sales Product Name		IPP60R125C6		Issued		29. August 2013		
MA#		MA001113020						
Package		PG-TO220-3-123		Weight*		2030.22 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	12.221	0.60	0.60	6020	6020
leadframe	non noble metal	iron	7439-89-6	0.816	0.04		402	
	inorganic material	phosphorus	7723-14-0	0.245	0.01		121	
	non noble metal	copper	7440-50-8	815.335	40.16	40.21	401599	402122
wire	non noble metal	aluminium	7429-90-5	2.658	0.13	0.13	1309	1309
encapsulation	organic material	carbon black	1333-86-4	2.320	0.11		1143	
	plastics	epoxy resin	-	67.271	3.31		33135	
	inorganic material	silicondioxide	60676-86-0	510.330	25.14	28.56	251367	285645
leadfinish	non noble metal	tin	7440-31-5	21.462	1.06	1.06	10571	10571
plating	non noble metal	nickel	7440-02-0	1.764	0.09	0.09	869	869
solder	noble metal	silver	7440-22-4	1.391	0.07		685	
	non noble metal	antimony	7440-36-0	0.557	0.03		274	
	non noble metal	tin	7440-31-5	3.618	0.18	0.28	1782	2741
heatspreader	non noble metal	iron	7439-89-6	0.590	0.03		291	
	inorganic material	phosphorus	7723-14-0	0.177	0.01		87	
	non noble metal	copper	7440-50-8	589.466	29.03	29.07	290345	290723
*deviation	< 10%				Sum in total:	100,00		1000000

Important Remarks:

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