

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPP60R250CP	**Issued**	29. August 2013
MA#	MA000894144		
Package	PG-TO220-3-123	**Weight***	2027.62 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	7.176	0.35	0.35	3539	3539
leadframe	non noble metal	iron	7439-89-6	0.816	0.04		403	
	inorganic material	phosphorus	7723-14-0	0.245	0.01		121	
	non noble metal	copper	7440-50-8	815.335	40.21	40.26	402115	402639
wire	non noble metal	aluminium	7429-90-5	1.411	0.07	0.07	696	696
encapsulation	organic material	carbon black	1333-86-4	2.342	0.12		1155	
	plastics	epoxy resin	-	67.923	3.35		33499	
	inorganic material	silicondioxide	60676-86-0	515.279	25.41	28.88	254131	288785
leadfinish	non noble metal	tin	7440-31-5	21.462	1.06	1.06	10585	10585
plating	non noble metal	nickel	7440-02-0	1.764	0.09	0.09	870	870
solder	non noble metal	antimony	7440-36-0	0.363	0.02		179	
	noble metal	silver	7440-22-4	0.907	0.04		447	
	non noble metal	tin	7440-31-5	2.358	0.12	0.18	1163	1789
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	29.07	29.11	290719	291097
*deviation	< 10%				Sum in total:	100,00		1000000

Important Remarks:

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