



Material Content Data Sheet



Sales Product Name		IPP60R520E6		Issued		29. August 2013		
MA#		MA000837362						
Package		PG-TO220-3-1		Weight*		2030.54 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	3.425	0.17	0.17	1687	1687
leadframe	inorganic material	phosphorus	7723-14-0	0.422	0.02		208	
	non noble metal	iron	7439-89-6	1.407	0.07		693	
	non noble metal	copper	7440-50-8	1404.801	69.18	69.27	691834	692735
	non noble metal	aluminium	7429-90-5	0.708	0.03	0.03	349	349
wire	non noble metal	aluminium	7429-90-5	0.708	0.03	0.03	349	349
encapsulation	organic material	carbon black	1333-86-4	5.962	0.29		2936	
	plastics	epoxy resin	-	113.272	5.58		55784	
	inorganic material	silicondioxide	60676-86-0	476.936	23.49	29.36	234880	293600
leadfinish	non noble metal	tin	7440-31-5	21.462	1.06	1.06	10570	10570
solder	non noble metal	antimony	7440-36-0	0.215	0.01		106	
	noble metal	silver	7440-22-4	0.537	0.03		265	
	non noble metal	tin	7440-31-5	1.397	0.07	0.11	688	1059
*deviation	< 10%					Sum in total:	100,00	1000000

Important Remarks:

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