



Material Content Data Sheet



Sales Product Name		IPP147N03L G		Issued		29. August 2013		
MA#		MA000361770						
Package		PG-TO220-3-1		Weight*		2016.65 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	0.562	0.03	0.03	279	279
leadframe	non noble metal	iron	7439-89-6	0.816	0.04		405	
	inorganic material	phosphorus	7723-14-0	0.245	0.01		121	
	non noble metal	copper	7440-50-8	815.335	40.43	40.48	404301	404828
wire	non noble metal	aluminium	7429-90-5	1.112	0.06	0.06	552	552
encapsulation	organic material	carbon black	1333-86-4	6.446	0.32		3197	
	inorganic material	antimonytrioxide	1309-64-4	13.479	0.67		6684	
	plastics	brominated resin	-	15.237	0.76		7555	
	plastics	epoxy resin	-	111.346	5.52		55213	
	inorganic material	silicondioxide	60676-86-0	439.522	21.79	29.06	217947	290596
leadfinish	non noble metal	tin	7440-31-5	21.462	1.06	1.06	10643	10643
plating	non noble metal	nickel	7440-02-0	0.244	0.01		121	
	inorganic material	phosphorus	7723-14-0	0.001	0.00	0.01	1	121
solder	non noble metal	antimony	7440-36-0	0.061	0.00		30	
	noble metal	silver	7440-22-4	0.151	0.01		75	
	non noble metal	tin	7440-31-5	0.394	0.02	0.03	195	300
heatspreader	non noble metal	iron	7439-89-6	0.590	0.03		293	
	inorganic material	phosphorus	7723-14-0	0.177	0.01		88	
	non noble metal	copper	7440-50-8	589.466	29.23	29.27	292300	292681
*deviation	< 10%		Sum in total:			100.00		1000000

Important Remarks:

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