



Material Content Data Sheet



Sales Product Name		IPP020N06N		Issued		29. August 2013		
MA#		MA000963518						
Package		PG-TO220-3-1		Weight*		2065.00 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	26.819	1.30	1.30	12987	12987
leadframe	non noble metal	iron	7439-89-6	0.816	0.04		395	
	inorganic material	phosphorus	7723-14-0	0.245	0.01		119	
	non noble metal	copper	7440-50-8	815.335	39.48	39.53	394836	395350
wire	non noble metal	aluminium	7429-90-5	11.242	0.54	0.54	5444	5444
encapsulation	organic material	carbon black	1333-86-4	8.478	0.41		4105	
	plastics	epoxy resin	-	93.253	4.52		45159	
	inorganic material	silicondioxide	60676-86-0	463.441	22.44	27.37	224427	273691
leadfinish	non noble metal	tin	7440-31-5	21.462	1.04	1.04	10393	10393
plating	non noble metal	nickel	7440-02-0	0.244	0.01		118	
	inorganic material	phosphorus	7723-14-0	0.001	0.00	0.01	0	118
solder	noble metal	silver	7440-22-4	0.836	0.04		405	
	non noble metal	tin	7440-31-5	0.669	0.03		324	
	non noble metal	lead	7439-92-1	31.925	1.55	1.62	15460	16189
heatspreader	inorganic material	phosphorus	7723-14-0	0.177	0.01		86	
	non noble metal	iron	7439-89-6	0.590	0.03		286	
	non noble metal	copper	7440-50-8	589.466	28.55	28.59	285456	285828
*deviation	< 10%		Sum in total:			100,00		1000000

Important Remarks:

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