



Material Content Data Sheet



Sales Product Name		SPP02N60S5		Issued		28. August 2013		
MA#		MA000357801						
Package		PG-TO220-3-21		Weight*		2038.62 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	1.473	0.07	0.07	722	722
leadframe	non noble metal	iron	7439-89-6	0.849	0.04		417	
	inorganic material	phosphorus	7723-14-0	0.255	0.01		125	
	non noble metal	copper	7440-50-8	848.194	41.60	41.65	416063	416605
wire	non noble metal	aluminium	7429-90-5	0.716	0.04	0.04	351	351
encapsulation	organic material	carbon black	1333-86-4	6.326	0.31		3103	
	inorganic material	antimonytrioxide	1309-64-4	13.226	0.65		6488	
	plastics	brominated resin	-	14.952	0.73		7334	
	plastics	epoxy resin	-	109.261	5.36		53596	
	inorganic material	silicondioxide	60676-86-0	431.295	21.16	28.21	211562	282083
leadfinish	non noble metal	tin	7440-31-5	18.469	0.91	0.91	9059	9059
plating	non noble metal	nickel	7440-02-0	2.067	0.10	0.10	1014	1014
solder	non noble metal	tin	7440-31-5	0.848	0.04		416	
	noble metal	silver	7440-22-4	0.326	0.02		160	
	non noble metal	antimony	7440-36-0	0.130	0.01	0.07	64	640
heatspreader	inorganic material	phosphorus	7723-14-0	0.177	0.01		87	
	non noble metal	iron	7439-89-6	0.590	0.03		290	
	non noble metal	copper	7440-50-8	589.466	28.91	28.95	289149	289526
*deviation	< 10%		Sum in total:			100,00		1000000

Important Remarks:

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