



Material Content Data Sheet



Sales Product Name		SPP04N50C3		Issued		29. August 2013		
MA#		MA000359147						
Package		PG-TO220-3-21		Weight*		2039.63 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	3.265	0.16	0.16	1601	1601
leadframe	non noble metal	iron	7439-89-6	0.849	0.04		416	
	inorganic material	phosphorus	7723-14-0	0.255	0.01		125	
	non noble metal	copper	7440-50-8	848.194	41.58	41.63	415856	416397
wire	non noble metal	aluminium	7429-90-5	0.686	0.03	0.03	336	336
encapsulation	organic material	carbon black	1333-86-4	6.308	0.31		3093	
	inorganic material	antimonytrioxide	1309-64-4	13.189	0.65		6466	
	plastics	brominated resin	-	14.910	0.73		7310	
	plastics	epoxy resin	-	108.955	5.34		53419	
	inorganic material	silicondioxide	60676-86-0	430.086	21.09	28.12	210864	281152
leadfinish	non noble metal	tin	7440-31-5	18.469	0.91	0.91	9055	9055
plating	non noble metal	nickel	7440-02-0	2.067	0.10	0.10	1014	1014
solder	non noble metal	tin	7440-31-5	1.409	0.07		691	
	noble metal	silver	7440-22-4	0.542	0.03		266	
	non noble metal	antimony	7440-36-0	0.217	0.01	0.11	106	1063
heatspreader	inorganic material	phosphorus	7723-14-0	0.177	0.01		87	
	non noble metal	iron	7439-89-6	0.590	0.03		289	
	non noble metal	copper	7440-50-8	589.466	28.90	28.94	289006	289382
*deviation	< 10%		Sum in total:			100,00		1000000

Important Remarks:

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