



## Material Content Data Sheet



<b>Sales Product Name</b>				SPP80P06P H		<b>Issued</b>		27. September 2017	
<b>MA#</b>				MA000669312					
<b>Package</b>				PG-TO220-3-1		<b>Weight*</b>		2035.41 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	11.978	0.59	0.59	5885	5885	
leadframe	non noble metal	iron	7439-89-6	0.816	0.04		401		
	inorganic material	phosphorus	7723-14-0	0.245	0.01		120		
	non noble metal	copper	7440-50-8	815.335	40.05	40.10	400575	401097	
wire	non noble metal	aluminium	7429-90-5	7.094	0.35	0.35	3485	3485	
encapsulation	organic material	carbon black	1333-86-4	5.826	0.29		2862		
	plastics	epoxy resin	-	110.699	5.44		54387		
	inorganic material	silicondioxide	60676-86-0	466.100	22.90	28.63	228996	286245	
leadfinish	non noble metal	tin	7440-31-5	21.462	1.05	1.05	10545	10545	
plating	non noble metal	nickel	7440-02-0	0.244	0.01		120		
	inorganic material	phosphorus	7723-14-0	0.001	0.00	0.01	1	120	
solder	non noble metal	antimony	7440-36-0	0.537	0.03		264		
	noble metal	silver	7440-22-4	1.343	0.07		660		
	non noble metal	tin	7440-31-5	3.492	0.17	0.27	1716	2640	
heatspreader	non noble metal	iron	7439-89-6	0.590	0.03		290		
	inorganic material	phosphorus	7723-14-0	0.177	0.01		87		
	non noble metal	copper	7440-50-8	589.466	28.96	29.00	289606	289983	
*deviation	< 10%					Sum in total:	100.00	1000000	

### Important Remarks:

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This product is in compliance with EU Directive 2015/863/EU amending Annex II to EU Directive 2011/65/EU (RoHS) and does not use any exemption

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