



Material Content Data Sheet



Sales Product Name		SPP80P06P H		Issued		9. January 2019		
MA#		MA001626218						
Package		PG-TO220-3-1		Weight*		2035.37 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	inorganic material	phosphorus	7723-14-0	0.245	0.01		120	
	non noble metal	iron	7439-89-6	0.816	0.04		401	
	non noble metal	copper	7440-50-8	815.335	40.06	40.11	400583	401104
	non noble metal	aluminium	7429-90-5	6.779	0.33	0.33	3331	3331
wire	non noble metal	aluminium	7429-90-5	6.779	0.33	0.33	3331	3331
encapsulation	organic material	carbon black	1333-86-4	5.829	0.29		2864	
	plastics	epoxy resin	-	110.752	5.44		54413	
	inorganic material	silicondioxide	60676-86-0	466.323	22.91	28.64	229109	286386
leadfinish	non noble metal	tin	7440-31-5	21.462	1.05	1.05	10545	10545
plating	inorganic material	phosphorus	7723-14-0	0.001	0.00		1	
	non noble metal	nickel	7440-02-0	0.244	0.01	0.01	120	121
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	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	28.96	29.00	289611	289988
*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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