



## Material Content Data Sheet



<b>Sales Product Name</b>		SPP24N60C3		<b>Issued</b>		27. September 2017		
<b>MA#</b>		MA001054602						
<b>Package</b>		PG-TO220-3-1		<b>Weight*</b>		2038.56 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	14.004	0.69	0.69	6870	6870
leadframe	non noble metal	iron	7439-89-6	0.816	0.04		400	
	inorganic material	phosphorus	7723-14-0	0.245	0.01		120	
	non noble metal	copper	7440-50-8	815.335	39.99	40.04	399956	400477
wire	non noble metal	aluminium	7429-90-5	27.289	1.34	1.34	13386	13386
encapsulation	organic material	carbon black	1333-86-4	5.629	0.28		2761	
	plastics	epoxy resin	-	106.957	5.25		52467	
	inorganic material	silicondioxide	60676-86-0	450.347	22.09	27.62	220915	276143
leadfinish	non noble metal	tin	7440-31-5	21.462	1.05	1.05	10528	10528
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	0.599	0.03		294	
	noble metal	silver	7440-22-4	1.498	0.07		735	
	non noble metal	tin	7440-31-5	3.895	0.19	0.29	1911	2940
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	28.92	28.96	289159	289536
*deviation	< 10%				Sum in total:	100.00		1000000

### Important Remarks:

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