



## Material Content Data Sheet



<b>Sales Product Name</b>		SPI11N60S5		<b>Issued</b>		31. December 2015		
<b>MA#</b>		MA000359145						
<b>Package</b>		PG-TO262-3-21		<b>Weight*</b>		1556.60 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	6.625	0.43	0.43	4256	4256
leadframe	non noble metal	iron	7439-89-6	0.851	0.05		547	
	inorganic material	phosphorus	7723-14-0	0.255	0.02		164	
	non noble metal	copper	7440-50-8	849.682	54.59	54.66	545855	546566
wire	non noble metal	aluminium	7429-90-5	6.821	0.44	0.44	4382	4382
encapsulation	organic material	carbon black	1333-86-4	6.221	0.40		3997	
	inorganic material	antimonytrioxide	1309-64-4	13.008	0.84		8357	
	plastics	brominated resin	-	14.705	0.94		9447	
	plastics	epoxy resin	-	107.458	6.90		69034	
	inorganic material	silicondioxide	60676-86-0	424.175	27.25	36.33	272501	363336
leadfinish	non noble metal	tin	7440-31-5	15.388	0.99	0.99	9885	9885
plating	non noble metal	nickel	7440-02-0	1.671	0.11	0.11	1074	1074
solder	non noble metal	antimony	7440-36-0	0.339	0.02		218	
	noble metal	silver	7440-22-4	0.849	0.05		545	
	non noble metal	tin	7440-31-5	2.206	0.14	0.21	1417	2180
heatspreader	inorganic material	phosphorus	7723-14-0	0.032	0.00		21	
	non noble metal	iron	7439-89-6	0.106	0.01		68	
	non noble metal	copper	7440-50-8	106.210	6.82	6.83	68232	68321
*deviation	< 10%					Sum in total:	100.00	1000000

### Important Remarks:

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