



Material Content Data Sheet



Sales Product Name		SPB20N60S5		Issued		29. August 2013		
MA#		MA000825162						
Package		PG-TO263-3-2		Weight*		1561.48 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	12.785	0.82	0.82	8188	8188
leadframe	inorganic material	phosphorus	7723-14-0	0.091	0.01		58	
	non noble metal	iron	7439-89-6	0.304	0.02		195	
	non noble metal	copper	7440-50-8	304.026	19.47	19.50	194703	194957
	non noble metal	aluminium	7429-90-5	2.621	0.17	0.17	1679	1679
wire	non noble metal	aluminium	7429-90-5	2.621	0.17	0.17	1679	1679
encapsulation	organic material	carbon black	1333-86-4	10.180	0.65		6519	
	plastics	epoxy resin	-	111.976	7.17		71712	
	inorganic material	silicondioxide	60676-86-0	556.489	35.63	43.45	356385	434615
leadfinish	non noble metal	tin	7440-31-5	9.657	0.62	0.62	6184	6184
plating	non noble metal	nickel	7440-02-0	0.228	0.01		146	
	inorganic material	phosphorus	7723-14-0	0.001	0.00	0.01	0	147
solder	non noble metal	tin	7440-31-5	0.095	0.01		61	
	noble metal	silver	7440-22-4	0.119	0.01		76	
	non noble metal	lead	7439-92-1	4.534	0.29	0.31	2904	3040
heatspreader	inorganic material	phosphorus	7723-14-0	0.165	0.01		105	
	non noble metal	iron	7439-89-6	0.548	0.04		351	
	non noble metal	copper	7440-50-8	547.666	35.07	35.12	350734	351191
*deviation	< 10%		Sum in total:			100.00		1000000

Important Remarks:

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