



Material Content Data Sheet



Sales Product Name	SGB15N60HS			Issued		29. August 2013		
MA#	MA000535028							
Package	PG-TO263-3-2			Weight*		1558.50 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	3.392	0.22	0.22	2177	2177
leadframe	non noble metal	iron	7439-89-6	0.304	0.02		195	
	inorganic material	phosphorus	7723-14-0	0.091	0.01		59	
	non noble metal	copper	7440-50-8	304.026	19.51	19.54	195075	195329
wire	non noble metal	aluminium	7429-90-5	2.509	0.16	0.16	1610	1610
encapsulation	organic material	carbon black	1333-86-4	10.302	0.66		6610	
	plastics	epoxy resin	-	113.321	7.27		72711	
	inorganic material	silicondioxide	60676-86-0	563.172	36.14	44.07	361354	440676
leadfinish	non noble metal	tin	7440-31-5	9.657	0.62	0.62	6196	6196
plating	non noble metal	nickel	7440-02-0	0.228	0.01		147	
	inorganic material	phosphorus	7723-14-0	0.001	0.00	0.01	1	147
solder	noble metal	silver	7440-22-4	0.078	0.00		50	
	non noble metal	tin	7440-31-5	0.062	0.00		40	
	non noble metal	lead	7439-92-1	2.980	0.19	0.19	1912	2002
heatspreader	inorganic material	phosphorus	7723-14-0	0.165	0.01		106	
	non noble metal	iron	7439-89-6	0.548	0.04		352	
	non noble metal	copper	7440-50-8	547.666	35.14	35.19	351405	351863
*deviation	< 10%	Sum in total:			100,00		1000000	

Important Remarks:

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