



Material Content Data Sheet



Sales Product Name		SKP15N60		Issued		29. August 2013		
MA#		MA000695012						
Package		PG-TO220-3-1		Weight*		2037.86 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	4.572	0.22	0.22	2243	2243
leadframe	non noble metal	iron	7439-89-6	0.816	0.04		401	
	inorganic material	phosphorus	7723-14-0	0.245	0.01		120	
	non noble metal	copper	7440-50-8	815.335	40.01	40.06	400093	400615
wire	non noble metal	aluminium	7429-90-5	53.594	2.63	2.63	26299	26299
encapsulation	organic material	carbon black	1333-86-4	5.481	0.27		2690	
	plastics	epoxy resin	-	104.141	5.11		51103	
	inorganic material	silicondioxide	60676-86-0	438.486	21.52	26.90	215171	268964
leadfinish	non noble metal	tin	7440-31-5	21.462	1.05	1.05	10532	10532
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	0.325	0.02		159	
	noble metal	silver	7440-22-4	0.812	0.04		398	
	non noble metal	tin	7440-31-5	2.110	0.10	0.16	1035	1592
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	28.93	28.97	289258	289635
*deviation	< 10%		Sum in total:			100.00		1000000

Important Remarks:

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