



Material Content Data Sheet



Sales Product Name		SKP02N120		Issued		29. August 2013		
MA#		MA000889526						
Package		PG-TO220-3-1		Weight*		2030.80 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	3.153	0.16	0.16	1553	1553
leadframe	non noble metal	iron	7439-89-6	0.816	0.04		402	
	inorganic material	phosphorus	7723-14-0	0.245	0.01		121	
	non noble metal	copper	7440-50-8	815.335	40.14	40.19	401485	402008
wire	non noble metal	aluminium	7429-90-5	1.592	0.08	0.08	784	784
encapsulation	organic material	carbon black	1333-86-4	5.956	0.29		2933	
	plastics	epoxy resin	-	113.155	5.57		55720	
	inorganic material	silicondioxide	60676-86-0	476.444	23.46	29.32	234609	293262
leadfinish	non noble metal	tin	7440-31-5	21.462	1.06	1.06	10568	10568
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	0	120
solder	non noble metal	antimony	7440-36-0	0.216	0.01		106	
	noble metal	silver	7440-22-4	0.540	0.03		266	
	non noble metal	tin	7440-31-5	1.405	0.07	0.11	692	1064
heatspreader	non noble metal	iron	7439-89-6	0.590	0.03		291	
	inorganic material	phosphorus	7723-14-0	0.177	0.01		87	
	non noble metal	copper	7440-50-8	589.466	29.03	29.07	290263	290641
*deviation	< 10%		Sum in total:			100.00		1000000

Important Remarks:

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