



Material Content Data Sheet



Sales Product Name				IKP20N60H3		Issued		27. September 2017	
MA#				MA001071806					
Package				PG-TO220-3-1		Weight*		2036.43 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	2.669	0.13	0.13	1310	1310	
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	40.03	40.08	400374	400896	
wire	non noble metal	aluminium	7429-90-5	51.754	2.54	2.54	25414	25414	
encapsulation	organic material	carbon black	1333-86-4	5.516	0.27		2709		
	plastics	epoxy resin	-	104.803	5.15		51464		
	inorganic material	silicondioxide	60676-86-0	441.274	21.67	27.09	216691	270864	
leadfinish	non noble metal	tin	7440-31-5	21.462	1.05	1.05	10539	10539	
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	0.207	0.01		102		
	noble metal	silver	7440-22-4	0.519	0.03		255		
	non noble metal	tin	7440-31-5	1.348	0.07	0.11	662	1019	
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	28.95	28.99	289461	289838	
*deviation	< 10%					Sum in total:	100.00	1000000	

Important Remarks:

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This product is in compliance with EU Directive 2015/863/EU amending Annex II to EU Directive 2011/65/EU (RoHS) and does not use any exemption

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