



Material Content Data Sheet



Sales Product Name				IKP15N60T		Issued		20. July 2018	
MA#				MA001426450					
Package				PG-TO220-3-1		Weight*		2030.92 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	2.468	0.12	0.12	1215	1215	
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	40.16	40.21	401459	401983	
wire	non noble metal	aluminium	7429-90-5	2.752	0.14	0.14	1355	1355	
encapsulation	organic material	carbon black	1333-86-4	5.951	0.29		2930		
	plastics	epoxy resin	-	113.078	5.57		55678		
	inorganic material	silicondioxide	60676-86-0	476.116	23.44	29.30	234433	293041	
leadfinish	non noble metal	tin	7440-31-5	21.731	1.07	1.07	10700	10700	
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	0.195	0.01		96		
	noble metal	silver	7440-22-4	0.488	0.02		241		
	non noble metal	tin	7440-31-5	1.270	0.06	0.09	625	962	
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	29.02	29.06	290246	290624	
*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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