



Material Content Data Sheet



Sales Product Name		IKA15N60T		Issued		24. January 2018		
MA#		MA001428602						
Package		PG-TO220-3-111		Weight*		2249.14 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	3.195	0.14	0.14	1420	1420
leadframe	inorganic material	phosphorus	7723-14-0	0.206	0.01		92	
	non noble metal	iron	7439-89-6	0.687	0.03		305	
	non noble metal	copper	7440-50-8	686.221	30.51	30.55	305103	305500
	non noble metal	aluminium	7429-90-5	2.784	0.12	0.12	1238	1238
wire	non noble metal	aluminium	7429-90-5	2.784	0.12	0.12	1238	1238
encapsulation	organic material	carbon black	1333-86-4	2.231	0.10		992	
	plastics	epoxy resin	-	209.248	9.30		93034	
	inorganic material	silicondioxide	60676-86-0	901.204	40.08	49.48	400688	494714
leadfinish	non noble metal	tin	7440-31-5	7.942	0.35	0.35	3531	3531
plating	inorganic material	phosphorus	7723-14-0	0.001	0.00		1	
	non noble metal	nickel	7440-02-0	0.305	0.01	0.01	136	137
solder	non noble metal	antimony	7440-36-0	0.245	0.01		109	
	noble metal	silver	7440-22-4	0.612	0.03		272	
	non noble metal	tin	7440-31-5	1.591	0.07	0.11	707	1088
heatspreader	inorganic material	phosphorus	7723-14-0	0.130	0.01		58	
	non noble metal	iron	7439-89-6	0.433	0.02		192	
	non noble metal	copper	7440-50-8	432.110	19.21	19.24	192122	192372
*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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