



Material Content Data Sheet



Sales Product Name				IKW20N60T		Issued		24. January 2018	
MA#				MA001638896					
Package				PG-TO247-3-44		Weight*		6046.90 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	3.130	0.05	0.05	518	518	
leadframe	non noble metal	iron	7439-89-6	0.530	0.01		88		
	inorganic material	phosphorus	7723-14-0	0.159	0.00		26		
	non noble metal	copper	7440-50-8	529.068	8.75	8.76	87494	87608	
wire	non noble metal	aluminium	7429-90-5	7.904	0.13	0.13	1307	1307	
encapsulation	organic material	carbon black	1333-86-4	20.003	0.33		3308		
	plastics	epoxy resin	-	380.053	6.29		62851		
	inorganic material	silicondioxide	60676-86-0	1600.224	26.46	33.08	264635	330794	
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5271	5271	
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4807	4807	
solder	non noble metal	antimony	7440-36-0	0.241	0.00		40		
	noble metal	silver	7440-22-4	0.603	0.01		100		
	non noble metal	tin	7440-31-5	1.567	0.03	0.04	259	399	
heatspreader	non noble metal	iron	7439-89-6	3.442	0.06		569		
	inorganic material	phosphorus	7723-14-0	1.033	0.02		171		
	non noble metal	copper	7440-50-8	3438.006	56.85	56.93	568556	569296	
*deviation	< 10%					Sum in total:	100.00		1000000

Important Remarks:

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3. All statements are based on our present knowledge, are provided 'as is' and may be subject to change at any time due to technical requirements and development without notification.

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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