



Material Content Data Sheet



Sales Product Name	IKW20N60TA			Issued		22. March 2016		
MA#	MA000811802							
Package	PG-TO247-3-41			Weight*		6046.98 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	3.290	0.05	0.05	544	544
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	87493	87607
wire	non noble metal	aluminium	7429-90-5	7.990	0.13	0.13	1321	1321
encapsulation	organic material	carbon black	1333-86-4	20.001	0.33		3308	
	plastics	epoxy resin	-	380.011	6.28		62843	
	inorganic material	silicondioxide	60676-86-0	1600.047	26.46	33.07	264603	330754
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	4806	4806
solder	non noble metal	antimony	7440-36-0	0.247	0.00		41	
	noble metal	silver	7440-22-4	0.617	0.01		102	
	non noble metal	tin	7440-31-5	1.604	0.03	0.04	265	408
heatspreader	inorganic material	phosphorus	7723-14-0	1.033	0.02		171	
	non noble metal	iron	7439-89-6	3.442	0.06		569	
	non noble metal	copper	7440-50-8	3438.006	56.86	56.94	568549	569289
*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 2011/65/EU (RoHS) and does not use any exemption.

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