



Material Content Data Sheet



Sales Product Name		IKW20N60H3		Issued		29. August 2013		
MA#		MA001071776						
Package		PG-TO247-3-41		Weight*		6046.35 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	2.172	0.04	0.04	359	359
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	87502	87616
wire	non noble metal	aluminium	7429-90-5	7.689	0.13	0.13	1272	1272
encapsulation	organic material	carbon black	1333-86-4	20.014	0.33		3310	
	plastics	epoxy resin	-	380.262	6.29		62891	
	inorganic material	silicondioxide	60676-86-0	1601.102	26.48	33.10	264804	331005
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5272	5272
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4807	4807
solder	non noble metal	antimony	7440-36-0	0.193	0.00		32	
	noble metal	silver	7440-22-4	0.484	0.01		80	
	non noble metal	tin	7440-31-5	1.257	0.02	0.03	208	320
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	568609	569349
*deviation	< 10%				Sum in total:	100,00		1000000

Important Remarks:

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