



Material Content Data Sheet



Sales Product Name		IKW40T120		Issued		29. August 2013		
MA#		MA000984584						
Package		PG-TO247-3-21		Weight*		6004.20 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	17.938	0.30	0.30	2988	2988
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	8.81	8.82	88117	88231
wire	non noble metal	aluminium	7429-90-5	15.679	0.26	0.26	2611	2611
encapsulation	organic material	carbon black	1333-86-4	21.207	0.35		3532	
	inorganic material	antimonytrioxide	1309-64-4	44.342	0.74		7385	
	plastics	brominated resin	-	50.126	0.83		8348	
	plastics	epoxy resin	-	366.302	6.10		61008	
	inorganic material	silicondioxide	60676-86-0	1445.930	24.08	32.10	240820	321093
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5309	5309
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4841	4841
solder	non noble metal	antimony	7440-36-0	0.950	0.02		158	
	noble metal	silver	7440-22-4	2.374	0.04		395	
	non noble metal	tin	7440-31-5	6.173	0.10	0.16	1028	1581
heatspreader	inorganic material	phosphorus	7723-14-0	1.033	0.02		172	
	non noble metal	iron	7439-89-6	3.442	0.06		573	
	non noble metal	copper	7440-50-8	3438.006	57.27	57.35	572601	573346
*deviation	< 10%		Sum in total:			100.00		1000000

Important Remarks:

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