



Material Content Data Sheet



Sales Product Name	IHW30N100T			Issued		29. August 2013		
MA#	MA000518348							
Package	PG-TO247-3-41			Weight*		6049.94 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	7.569	0.13	0.13	1251	1251
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	8.74	8.75	87450	87564
wire	non noble metal	aluminium	7429-90-5	12.308	0.20	0.20	2034	2034
encapsulation	organic material	carbon black	1333-86-4	19.922	0.33		3293	
	plastics	epoxy resin	-	378.509	6.26		62564	
	inorganic material	silicondioxide	60676-86-0	1593.722	26.34	32.93	263427	329284
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5269	5269
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4804	4804
solder	non noble metal	antimony	7440-36-0	0.474	0.01		78	
	noble metal	silver	7440-22-4	1.184	0.02		196	
	non noble metal	tin	7440-31-5	3.079	0.05	0.08	509	783
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	56.82	56.90	568271	569011
*deviation	< 10%	Sum in total:				100.00		1000000

Important Remarks:

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