



Material Content Data Sheet



Sales Product Name		IHW30N60T		Issued		29. August 2013		
MA#		MA001066710						
Package		PG-TO247-3-41		Weight*		6048.31 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	4.159	0.07	0.07	688	688
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	87474	87588
wire	non noble metal	aluminium	7429-90-5	13.384	0.22	0.22	2213	2213
encapsulation	organic material	carbon black	1333-86-4	19.944	0.33		3297	
	plastics	epoxy resin	-	378.934	6.27		62651	
	inorganic material	silicondioxide	60676-86-0	1595.512	26.38	32.98	263795	329743
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5270	5270
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4805	4805
solder	non noble metal	antimony	7440-36-0	0.320	0.01		53	
	noble metal	silver	7440-22-4	0.799	0.01		132	
	non noble metal	tin	7440-31-5	2.077	0.03	0.05	343	528
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	56.83	56.91	568425	569165
*deviation	< 10%				Sum in total:	100,00		1000000

Important Remarks:

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