



Material Content Data Sheet



Sales Product Name	IHW40T120			Issued		29. August 2013		
MA#	MA000923524							
Package	PG-TO247-3-41			Weight*		6052.49 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	14.440	0.24	0.24	2386	2386
leadframe	non noble metal	iron	7439-89-6	3.972	0.07		656	
	inorganic material	phosphorus	7723-14-0	1.192	0.02		197	
	non noble metal	copper	7440-50-8	3967.074	65.55	65.64	655446	656299
wire	non noble metal	aluminium	7429-90-5	8.655	0.14	0.14	1430	1430
encapsulation	organic material	carbon black	1333-86-4	19.885	0.33		3285	
	plastics	epoxy resin	-	377.814	6.24		62423	
	inorganic material	silicondioxide	60676-86-0	1590.794	26.28	32.85	262833	328541
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5266	5266
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4802	4802
solder	non noble metal	antimony	7440-36-0	0.772	0.01		128	
	noble metal	silver	7440-22-4	1.931	0.03		319	
	non noble metal	tin	7440-31-5	5.020	0.08	0.12	829	1276
*deviation	< 10%	Sum in total:			100,00		1000000	

Important Remarks:

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