



Material Content Data Sheet



Sales Product Name	IHW20T120			Issued		29. August 2013		
MA#	MA000045703							
Package	PG-TO247-3-21			Weight*		5997.26 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	6.796	0.11	0.11	1133	1133
leadframe	non noble metal	iron	7439-89-6	0.530	0.01		88	
	inorganic material	phosphorus	7723-14-0	0.159	0.00		27	
	non noble metal	copper	7440-50-8	529.068	8.82	8.83	88219	88334
wire	non noble metal	aluminium	7429-90-5	13.246	0.22	0.22	2209	2209
encapsulation	organic material	carbon black	1333-86-4	21.344	0.36		3559	
	inorganic material	antimonytrioxide	1309-64-4	44.628	0.74		7441	
	plastics	brominated resin	-	50.449	0.84		8412	
	plastics	epoxy resin	-	368.664	6.15		61472	
	inorganic material	silicondioxide	60676-86-0	1455.251	24.27	32.36	242653	323537
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5315	5315
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4846	4846
solder	non noble metal	antimony	7440-36-0	0.370	0.01		62	
	noble metal	silver	7440-22-4	0.926	0.02		154	
	non noble metal	tin	7440-31-5	2.407	0.04	0.07	401	617
heatspreader	inorganic material	phosphorus	7723-14-0	1.033	0.02		172	
	non noble metal	iron	7439-89-6	3.442	0.06		574	
	non noble metal	copper	7440-50-8	3438.006	57.32	57.40	573263	574009
*deviation	< 10%	Sum in total:			100,00		1000000	

Important Remarks:

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