



Material Content Data Sheet



Sales Product Name		IHW20N120R3		Issued		29. August 2013		
MA#		MA001094548						
Package		PG-TO247-3-44		Weight*		6047.00 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	4.575	0.08	0.08	757	757
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	87493	87607
wire	non noble metal	aluminium	7429-90-5	4.496	0.07	0.07	744	744
encapsulation	organic material	carbon black	1333-86-4	20.020	0.33		3311	
	plastics	epoxy resin	-	380.385	6.29		62905	
	inorganic material	silicondioxide	60676-86-0	1601.622	26.49	33.11	264862	331078
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5271	5271
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4806	4806
solder	non noble metal	antimony	7440-36-0	0.272	0.00		45	
	noble metal	silver	7440-22-4	0.681	0.01		113	
	non noble metal	tin	7440-31-5	1.771	0.03	0.04	293	451
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	56.85	56.93	568546	569286
*deviation	< 10%				Sum in total:	100,00		1000000

Important Remarks:

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