



Material Content Data Sheet



Sales Product Name		IHW15N120R3		Issued		29. August 2013		
MA#		MA000894290						
Package		PG-TO247-3-21		Weight*		5994.31 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	3.672	0.06	0.06	613	613
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	8.83	8.84	88262	88377
wire	non noble metal	aluminium	7429-90-5	4.390	0.07	0.07	732	732
encapsulation	organic material	carbon black	1333-86-4	21.459	0.36		3580	
	inorganic material	antimonytrioxide	1309-64-4	44.869	0.75		7485	
	plastics	brominated resin	-	50.721	0.85		8462	
	plastics	epoxy resin	-	370.656	6.18		61835	
	inorganic material	silicondioxide	60676-86-0	1463.117	24.41	32.55	244084	325446
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5317	5317
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4849	4849
solder	non noble metal	antimony	7440-36-0	0.225	0.00		37	
	noble metal	silver	7440-22-4	0.562	0.01		94	
	non noble metal	tin	7440-31-5	1.461	0.02	0.03	244	375
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	57.36	57.44	573545	574291
*deviation	< 10%		Sum in total:			100,00		1000000

Important Remarks:

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