



Material Content Data Sheet



Sales Product Name				IHW25N120E1		Issued		25. January 2018	
MA#				MA001465840					
Package				PG-TO247-3-41		Weight*		6047.21 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	4.202	0.07	0.07	695	695	
leadframe	inorganic material	phosphorus	7723-14-0	0.159	0.00		26		
	non noble metal	iron	7439-89-6	0.530	0.01		88		
	non noble metal	copper	7440-50-8	529.068	8.75	8.76	87490	87604	
	non noble metal	aluminium	7429-90-5	8.507	0.14	0.14	1407	1407	
wire	non noble metal	aluminium	7429-90-5	8.507	0.14	0.14	1407	1407	
encapsulation	organic material	carbon black	1333-86-4	19.988	0.33		3305		
	plastics	epoxy resin	-	379.781	6.28		62803		
	inorganic material	silicondioxide	60676-86-0	1599.077	26.44	33.05	264432	330540	
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	0.248	0.00		41		
	noble metal	silver	7440-22-4	0.620	0.01		102		
	non noble metal	tin	7440-31-5	1.611	0.03	0.04	266	409	
heatspreader	inorganic material	phosphorus	7723-14-0	1.033	0.02		171		
	non noble metal	iron	7439-89-6	3.442	0.06		569		
	non noble metal	copper	7440-50-8	3438.006	56.85	56.93	568528	569268	
*deviation	< 10%			Sum in total:		100.00		1000000	

Important Remarks:

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This product is in compliance with EU Directive 2015/863/EU amending Annex II to EU Directive 2011/65/EU (RoHS) and does not use any exemption

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