



Material Content Data Sheet



Sales Product Name		IHW40N135R3		Issued		20. July 2018		
MA#		MA001197106						
Package		PG-TO247-3-41		Weight*		6049.99 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	10.035	0.17	0.17	1659	1659
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	8.74	8.75	87450	87564
	non noble metal	aluminium	7429-90-5	8.511	0.14	0.14	1407	1407
wire	non noble metal	aluminium	7429-90-5	8.511	0.14	0.14	1407	1407
encapsulation	organic material	carbon black	1333-86-4	19.935	0.33		3295	
	plastics	epoxy resin	-	378.758	6.26		62605	
	inorganic material	silicondioxide	60676-86-0	1594.772	26.36	32.95	263599	329499
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5268	5268
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4804	4804
solder	non noble metal	antimony	7440-36-0	0.480	0.01		79	
	noble metal	silver	7440-22-4	1.199	0.02		198	
	non noble metal	tin	7440-31-5	3.118	0.05	0.08	515	792
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	56.82	56.90	568267	569007
*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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