



Material Content Data Sheet



Sales Product Name		IHW40N135R3		Issued		27. May 2016		
MA#		MA000997622						
Package		PG-TO247-3-44		Weight*		6049.97 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	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	8.74	8.75	87450	87564
wire	non noble metal	aluminium	7429-90-5	8.392	0.14	0.14	1387	1387
encapsulation	organic material	carbon black	1333-86-4	19.936	0.33		3295	
	plastics	epoxy resin	-	378.778	6.26		62608	
	inorganic material	silicondioxide	60676-86-0	1594.857	26.36	32.95	263614	329517
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5269	5269
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	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	56.82	56.90	568268	569008
*deviation	< 10%				Sum in total:	100.00		1000000

Important Remarks:

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3. All statements are based on our present knowledge, are provided 'as is' and may be subject to change at any time due to technical requirements and development without notification.

This product is in compliance with EU Directive 2011/65/EU (RoHS) and does not use any exemption.

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