



Material Content Data Sheet



Sales Product Name		IHW40N135R3		Issued		19. January 2018		
MA#		MA001151714						
Package		PG-TO247-3-44		Weight*		6048.91 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	8.651	0.14	0.14	1430	1430
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	87465	87579
wire	non noble metal	aluminium	7429-90-5	3.279	0.05	0.05	542	542
encapsulation	organic material	carbon black	1333-86-4	19.993	0.33		3305	
	plastics	epoxy resin	-	379.869	6.28		62800	
	inorganic material	silicondioxide	60676-86-0	1599.448	26.44	33.05	264419	330524
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	4805	4805
solder	non noble metal	antimony	7440-36-0	0.449	0.01		74	
	noble metal	silver	7440-22-4	1.124	0.02		186	
	non noble metal	tin	7440-31-5	2.921	0.05	0.08	483	743
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	56.83	56.91	568368	569108
*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 2015/863/EU amending Annex II to EU Directive 2011/65/EU (RoHS) and does not use any exemption

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