



Material Content Data Sheet



Sales Product Name				IHW20N135R5		Issued		19. July 2018	
MA#				MA001147892					
Package				PG-TO247-3-44		Weight*		6047.11 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	5.147	0.09	0.09	851	851	
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	87491	87605	
wire	non noble metal	aluminium	7429-90-5	4.220	0.07	0.07	698	698	
encapsulation	organic material	carbon black	1333-86-4	20.018	0.33		3310		
	plastics	epoxy resin	-	380.339	6.29		62896		
	inorganic material	silicondioxide	60676-86-0	1601.429	26.48	33.10	264826	331032	
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	0.278	0.00		46		
	noble metal	silver	7440-22-4	0.696	0.01		115		
	non noble metal	tin	7440-31-5	1.809	0.03	0.04	299	460	
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	56.85	56.93	568537	569277	
*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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