



Material Content Data Sheet



Sales Product Name		IHW20N135R5		Issued		7. September 2015		
MA#		MA001185932						
Package		PG-TO247-3-41		Weight*		6047.87 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	87480	87594
wire	non noble metal	aluminium	7429-90-5	4.191	0.07	0.07	693	693
encapsulation	organic material	carbon black	1333-86-4	20.018	0.33		3310	
	plastics	epoxy resin	-	380.344	6.29		62889	
	inorganic material	silicondioxide	60676-86-0	1601.450	26.48	33.10	264796	330995
leadfinish	non noble metal	tin	7440-31-5	32.273	0.53	0.53	5336	5336
plating	non noble metal	nickel	7440-02-0	29.428	0.49	0.49	4866	4866
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	56.84	56.92	568465	569205
*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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