



Material Content Data Sheet



Sales Product Name	IHW15N120R3			Issued		16. January 2020		
MA#	MA005413543							
Package	PG-TO247-3-48			Weight*		5964.44 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	4.172	0.07	0.07	700	700
leadframe	inorganic material	phosphorus	7723-14-0	0.159	0.00		27	
	non noble metal	iron	7439-89-6	0.530	0.01		89	
	non noble metal	copper	7440-50-8	529.068	8.87	8.88	88704	88820
wire	non noble metal	aluminium	7429-90-5	5.920	0.10	0.10	993	993
encapsulation	organic material	carbon black	1333-86-4	9.594	0.16		1609	
	plastics	epoxy resin	-	383.757	6.43		64341	
	inorganic material	silicondioxide	60676-86-0	1525.434	25.58	32.17	255754	321704
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5344	5344
plating	non noble metal	nickel	7440-02-0	29.065	0.49	0.49	4873	4873
solder	non noble metal	antimony	7440-36-0	0.239	0.00		40	
	noble metal	silver	7440-22-4	0.597	0.01		100	
	non noble metal	tin	7440-31-5	1.552	0.03	0.04	260	400
heatspreader	inorganic material	phosphorus	7723-14-0	1.033	0.02		173	
	non noble metal	iron	7439-89-6	3.442	0.06		577	
	non noble metal	copper	7440-50-8	3438.006	57.64	57.72	576416	577166
*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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