



Material Content Data Sheet



Sales Product Name	IJW120R100T1			Issued		23. March 2016		
MA#	MA001052482							
Package	PG-TO247-3-41			Weight*		6050.53 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	3.060	0.05	0.05	506	506
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	87441	87555
wire	non noble metal	aluminium	7429-90-5	43.278	0.72	0.72	7153	7153
encapsulation	organic material	carbon black	1333-86-4	19.692	0.33		3255	
	plastics	epoxy resin	-	374.144	6.18		61836	
	inorganic material	silicondioxide	60676-86-0	1575.344	26.04	32.55	260364	325455
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5268	5268
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4804	4804
solder	non noble metal	antimony	7440-36-0	0.183	0.00		30	
	noble metal	silver	7440-22-4	0.458	0.01		76	
	non noble metal	tin	7440-31-5	1.192	0.02	0.03	197	303
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	56.81	56.89	568216	568956
*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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