



## Material Content Data Sheet



<b>Sales Product Name</b>		IGW40T120		<b>Issued</b>		19. July 2018		
<b>MA#</b>		MA000923550						
<b>Package</b>		PG-TO247-3-41		<b>Weight*</b>		6050.63 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	11.577	0.19	0.19	1913	1913
leadframe	non noble metal	iron	7439-89-6	3.972	0.07		656	
	inorganic material	phosphorus	7723-14-0	1.192	0.02		197	
	non noble metal	copper	7440-50-8	3967.074	65.57	65.66	655646	656499
wire	non noble metal	aluminium	7429-90-5	8.433	0.14	0.14	1394	1394
encapsulation	organic material	carbon black	1333-86-4	19.915	0.33		3291	
	plastics	epoxy resin	-	378.381	6.25		62536	
	inorganic material	silicondioxide	60676-86-0	1593.185	26.33	32.91	263309	329136
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	0.596	0.01		99	
	noble metal	silver	7440-22-4	1.491	0.02		246	
	non noble metal	tin	7440-31-5	3.876	0.06	0.09	641	986
*deviation	< 10%			Sum in total:		100.00		1000000

### Important Remarks:

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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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