

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IGW40T120	**Issued**	28. October 2019
MA#	MA000923550		
Package	PG-TO247-3-41	**Weight***	6053.45 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	13.024	0.22	0.22	2151	2151
leadframe	inorganic material	phosphorus	7723-14-0	0.159	0.00		26	
	non noble metal	iron	7439-89-6	0.530	0.01		88	
	non noble metal	copper	7440-50-8	529.068	8.74	8.75	87399	87513
wire	non noble metal	aluminium	7429-90-5	9.984	0.16	0.16	1649	1649
encapsulation	organic material	carbon black	1333-86-4	19.910	0.33		3289	
	plastics	epoxy resin	-	378.298	6.25		62493	
	inorganic material	silicondioxide	60676-86-0	1592.835	26.31	32.89	263128	328910
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5265	5265
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4801	4801
solder	non noble metal	antimony	7440-36-0	0.622	0.01		103	
	noble metal	silver	7440-22-4	1.554	0.03		257	
	non noble metal	tin	7440-31-5	4.041	0.07	0.11	668	1028
heatspreader	inorganic material	phosphorus	7723-14-0	1.033	0.02		171	
	non noble metal	iron	7439-89-6	3.442	0.06		569	
	non noble metal	copper	7440-50-8	3438.006	56.78	56.86	567943	568683
*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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