



## Material Content Data Sheet



Halogen-Free

**Sales Product Name** IDH09SG60C

**Issued**

05. April 2021

**MA#** MA001641568

**Package** PG-TO220-2-1

**Weight\***

2001.64 mg

Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]
chip	non noble metal	tin	7440-31-5	0.014			7	
	noble metal	gold	7440-57-5	0.052			26	
	inorganic material	siliconcarbide	409-21-2	2.086	0.10	0.10	1042	1075
leadframe	inorganic material	phosphorus	7723-14-0	0.226	0.01		113	
	non noble metal	iron	7439-89-6	0.753	0.04		376	
	non noble metal	copper	7440-50-8	751.797	37.57	37.62	375589	376078
wire	non noble metal	aluminium	7429-90-5	1.607	0.08	0.08	803	803
encapsulation	organic material	carbon black	1333-86-4	1.280	0.06		640	
	plastics	epoxy resin	-	58.897	2.94		29425	
	inorganic material	silicondioxide	60676-86-0	580.010	28.98	31.98	289767	319832
leadfinish	non noble metal	tin	7440-31-5	14.487	0.72	0.72	7237	7237
plating	inorganic material	phosphorus	7723-14-0	0.000			1	
	non noble metal	nickel	7440-02-0	0.198	0.01	0.01	99	100
heatspreader	inorganic material	phosphorus	7723-14-0	0.177	0.01		88	
	non noble metal	iron	7439-89-6	0.590	0.03		295	
	non noble metal	copper	7440-50-8	589.466	29.45	29.49	294492	294875
*deviation	< 10%				Sum in total:	100.00		1000000

### Important Remarks:

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