



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	IDW30E60	<b>Issued</b>	02. June 2021
<b>MA#</b>	MA001241714		
<b>Package</b>	PG-TO247-3-44	<b>Weight*</b>	6047.70 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	1.539	0.03	0.03	254	254
leadframe	inorganic material	phosphorus	7723-14-0	0.159			26	
	non noble metal	iron	7439-89-6	0.530	0.01		88	
	non noble metal	copper	7440-50-8	529.068	8.75	8.76	87483	87597
wire	non noble metal	aluminium	7429-90-5	10.014	0.17	0.17	1656	1656
encapsulation	organic material	carbon black	1333-86-4	20.018	0.33		3310	
	plastics	epoxy resin	-	380.334	6.29		62889	
	inorganic material	silicondioxide	60676-86-0	1,601.408	26.48	33.10	264797	330996
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5270	5270
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4806	4806
solder	non noble metal	antimony	7440-36-0	0.120			20	
	noble metal	silver	7440-22-4	0.301			50	
	non noble metal	tin	7440-31-5	0.783	0.01	0.01	129	199
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	3,438.006	56.84	56.92	568482	569222
*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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