



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	IDW50E60	<b>Issued</b>	09. February 2022
<b>MA#</b>	MA005617872		
<b>Package</b>	PG-TO247-3-44	<b>Weight*</b>	6049.89 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	2.713	0.04	0.04	448	448
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	87451	87565
wire	non noble metal	aluminium	7429-90-5	14.828	0.25	0.25	2451	2451
encapsulation	organic material	carbon black	1333-86-4	19.972	0.33		3301	
	plastics	epoxy resin	-	379.463	6.27		62722	
	inorganic material	silicon dioxide	60676-86-0	1,597.738	26.41	33.01	264094	330117
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5269	5269
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4804	4804
solder	non noble metal	antimony	7440-36-0	0.200			33	
	noble metal	silver	7440-22-4	0.501	0.01		83	
	non noble metal	tin	7440-31-5	1.301	0.02	0.03	215	331
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	56.82	56.90	568275	569015
*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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