



Material Content Data Sheet



Halogen-Free

Sales Product Name	IKFW60N60EH3	Issued	11. May 2021
MA#	MA001674418		
Package	PG-HSIP247-3-1	Weight*	5923.18 mg

Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]
chip_1	inorganic material	silicon	7440-21-3	2.181	0.04	0.04	368	368
chip_2	inorganic material	silicon	7440-21-3	5.465	0.09	0.09	923	923
leadframe	inorganic material	phosphorus	7723-14-0	0.164			28	
	non noble metal	iron	7439-89-6	0.545	0.01		92	
	non noble metal	copper	7440-50-8	544.561	9.19	9.20	91938	92058
wire	non noble metal	aluminium	7429-90-5	19.358	0.33	0.33	3268	3268
encapsulation	inorganic material	zinc oxide	1314-13-2	6.001	0.10		1013	
	plastics	silicone resin	-	13.501	0.23		2279	
	organic material	carbon black	1333-86-4	21.685	0.37		3661	
	inorganic material	alumina	1344-28-1	130.514	2.20		22034	
	plastics	epoxy resin	-	412.024	6.96		69561	
	inorganic material	silicon dioxide	60676-86-0	1,734.836	29.29	39.15	292890	391438
lead finish	non noble metal	tin	7440-31-5	16.291	0.28	0.28	2750	2750
plating	inorganic material	phosphorus	7723-14-0	0.001			1	
	non noble metal	nickel	7440-02-0	0.456	0.01	0.01	77	78
solder	non noble metal	antimony	7440-36-0	0.553	0.01		93	
	noble metal	silver	7440-22-4	1.383	0.02		234	
	non noble metal	tin	7440-31-5	3.597	0.06	0.09	607	934
heatspreader	inorganic material	phosphorus	7723-14-0	0.903	0.02		152	
	non noble metal	iron	7439-89-6	3.010	0.05		508	
	non noble metal	copper	7440-50-8	3,006.154	50.74	50.81	507523	508183
*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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