



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	IKFW90N60EH3	<b>Issued</b>	10. May 2021
<b>MA#</b>	MA001503578		
<b>Package</b>	PG-HSIP247-3-1	<b>Weight*</b>	5829.09 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	7.713	0.13	0.13	1323	1323
chip_2	inorganic material	silicon	7440-21-3	3.143	0.05	0.05	539	539
leadframe	inorganic material	phosphorus	7723-14-0	0.164			28	
	non noble metal	iron	7439-89-6	0.545	0.01		94	
	non noble metal	copper	7440-50-8	544.561	9.34	9.35	93422	93544
wire	non noble metal	aluminium	7429-90-5	18.493	0.32	0.32	3173	3173
encapsulation	inorganic material	zinc oxide	1314-13-2	6.001	0.10		1029	
	plastics	silicone resin	-	13.501	0.23		2316	
	organic material	carbon black	1333-86-4	20.700	0.36		3551	
	inorganic material	alumina	1344-28-1	130.514	2.24		22390	
	plastics	epoxy resin	-	393.296	6.75		67471	
	inorganic material	silicon dioxide	60676-86-0	1,655.985	28.41	38.09	284090	380847
lead finish	non noble metal	tin	7440-31-5	16.291	0.28	0.28	2795	2795
plating	inorganic material	phosphorus	7723-14-0	0.001			1	
	non noble metal	nickel	7440-02-0	0.456	0.01	0.01	78	79
solder	non noble metal	antimony	7440-36-0	0.766	0.01		131	
	noble metal	silver	7440-22-4	1.915	0.03		328	
	non noble metal	tin	7440-31-5	4.978	0.09	0.13	854	1313
heatspreader	inorganic material	phosphorus	7723-14-0	0.903	0.02		155	
	non noble metal	iron	7439-89-6	3.010	0.05		516	
	non noble metal	copper	7440-50-8	3,006.154	51.57	51.64	515716	516387
*deviation	< 10%	Sum in total:				100.00		1000000

### Important Remarks:

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Company	Infineon Technologies AG
Address	81726 Neubiberg
Internet	www.infineon.com