



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	IPZ60R099P6	<b>Issued</b>	08. April 2021
<b>MA#</b>	MA005340158		
<b>Package</b>	PG-TO247-4-1	<b>Weight*</b>	6168.52 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	15.501	0.25	0.25	2513	2513
leadframe	inorganic material	phosphorus	7723-14-0	0.867	0.01		141	
	non noble metal	iron	7439-89-6	2.890	0.05		468	
	non noble metal	copper	7440-50-8	2,885.760	46.78	46.84	467819	468428
wire	non noble metal	aluminium	7429-90-5	4.131	0.07	0.07	670	670
encapsulation	organic material	carbon black	1333-86-4	20.034	0.32		3248	
	plastics	epoxy resin	-	380.637	6.17		61706	
	inorganic material	silicondioxide	60676-86-0	1,602.684	25.98	32.47	259816	324770
leadfinish	non noble metal	tin	7440-31-5	23.087	0.37	0.37	3743	3743
plating	non noble metal	nickel	7440-02-0	1.945	0.03	0.03	315	315
solder	non noble metal	antimony	7440-36-0	0.648	0.01		105	
	noble metal	silver	7440-22-4	1.619	0.03		263	
	non noble metal	tin	7440-31-5	4.210	0.07	0.11	683	1051
heatspreader	inorganic material	phosphorus	7723-14-0	0.367	0.01		60	
	non noble metal	iron	7439-89-6	1.225	0.02		199	
	non noble metal	copper	7440-50-8	1,222.919	19.83	19.86	198251	198510
*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