



## Material Content Data Sheet



Halogen-Free

**Sales Product Name** IPZ65R019C7

**Issued**

12. April 2021

**MA#** MA002224320

**Package** PG-TO247-4-1

**Weight\***

6180.04 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	35.362	0.57	0.57	5722	5722
leadframe	inorganic material	phosphorus	7723-14-0	0.867	0.01		140	
	non noble metal	iron	7439-89-6	2.890	0.05		468	
	non noble metal	copper	7440-50-8	2,885.760	46.70	46.76	466948	467556
wire	non noble metal	aluminium	7429-90-5	16.327	0.26	0.26	2642	2642
encapsulation	organic material	carbon black	1333-86-4	19.768	0.32		3199	
	plastics	epoxy resin	-	375.601	6.08		60777	
	inorganic material	silicondioxide	60676-86-0	1,581.478	25.59	31.99	255901	319877
leadfinish	non noble metal	tin	7440-31-5	23.087	0.37	0.37	3736	3736
plating	non noble metal	nickel	7440-02-0	1.945	0.03	0.03	315	315
solder	non noble metal	antimony	7440-36-0	1.244	0.02		201	
	noble metal	silver	7440-22-4	3.111	0.05		503	
	non noble metal	tin	7440-31-5	8.089	0.13	0.20	1309	2013
heatspreader	inorganic material	phosphorus	7723-14-0	0.367	0.01		59	
	non noble metal	iron	7439-89-6	1.225	0.02		198	
	non noble metal	copper	7440-50-8	1,222.919	19.79	19.82	197882	198139
*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