



## Material Content Data Sheet



Halogen-Free

**Sales Product Name** IPW60R037P7

**Issued**

14. February 2022

**MA#** MA005621022

**Package** PG-TO247-3-44

**Weight\***

6056.76 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	18.048	0.30	0.30	2980	2980
leadframe	inorganic material	phosphorus	7723-14-0	0.159			26	
	non noble metal	iron	7439-89-6	0.530	0.01		87	
	non noble metal	copper	7440-50-8	529.068	8.74	8.75	87352	87465
wire	non noble metal	aluminium	7429-90-5	15.601	0.26	0.26	2576	2576
encapsulation	organic material	carbon black	1333-86-4	19.827	0.33		3274	
	plastics	epoxy resin	-	376.713	6.22		62197	
	inorganic material	silicondioxide	60676-86-0	1,586.159	26.19	32.74	261882	327353
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5263	5263
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4799	4799
solder	non noble metal	antimony	7440-36-0	0.723	0.01		119	
	noble metal	silver	7440-22-4	1.809	0.03		299	
	non noble metal	tin	7440-31-5	4.702	0.08	0.12	776	1194
heatspreader	inorganic material	phosphorus	7723-14-0	1.033	0.02		171	
	non noble metal	iron	7439-89-6	3.442	0.06		568	
	non noble metal	copper	7440-50-8	3,438.006	56.74	56.82	567631	568370
*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