



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	IPA60R360P7S E8228	<b>Issued</b>	18. August 2021
<b>MA#</b>	MA005579786		
<b>Package</b>	PG-TO220-3-312	<b>Weight*</b>	2056.17 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	2.321	0.11	0.11	1129	1129
leadframe	inorganic material	phosphorus	7723-14-0	0.285	0.01		138	
	non noble metal	iron	7439-89-6	0.949	0.05		461	
	non noble metal	copper	7440-50-8	947.445	46.09	46.15	460782	461381
wire	non noble metal	aluminium	7429-90-5	3.583	0.17	0.17	1743	1743
encapsulation	organic material	carbon black	1333-86-4	10.873	0.53		5288	
	plastics	epoxy resin	-	174.392	8.48		84814	
	inorganic material	silicondioxide	60676-86-0	903.560	43.94	52.95	439438	529540
leadfinish	non noble metal	tin	7440-31-5	11.095	0.54	0.54	5396	5396
solder	non noble metal	antimony	7440-36-0	0.167	0.01		81	
	noble metal	silver	7440-22-4	0.416	0.02		203	
	non noble metal	tin	7440-31-5	1.083	0.05	0.08	527	811
*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