



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	IPP60R099P6	<b>Issued</b>	24. February 2022
<b>MA#</b>	MA005340144		
<b>Package</b>	PG-TO220-3-123	<b>Weight*</b>	2032.09 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	0.76	0.76	7628	7628
leadframe	inorganic material	phosphorus	7723-14-0	0.245	0.01		121	
	non noble metal	iron	7439-89-6	0.816	0.04		402	
	non noble metal	copper	7440-50-8	815.335	40.12	40.17	401229	401752
wire	non noble metal	aluminium	7429-90-5	3.250	0.16	0.16	1599	1599
encapsulation	organic material	carbon black	1333-86-4	2.308	0.11		1136	
	plastics	epoxy resin	-	66.933	3.29		32938	
	inorganic material	silicondioxide	60676-86-0	507.769	24.99	28.39	249874	283948
leadfinish	non noble metal	tin	7440-31-5	21.462	1.06	1.06	10562	10562
plating	non noble metal	nickel	7440-02-0	1.764	0.09	0.09	868	868
solder	non noble metal	antimony	7440-36-0	0.648	0.03		319	
	noble metal	silver	7440-22-4	1.619	0.08		797	
	non noble metal	tin	7440-31-5	4.210	0.21	0.32	2072	3188
heatspreader	inorganic material	phosphorus	7723-14-0	0.177	0.01		87	
	non noble metal	iron	7439-89-6	0.590	0.03		290	
	non noble metal	copper	7440-50-8	589.466	29.01	29.05	290078	290455
*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