



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	IRFP7718PBF	<b>Issued</b>	21. July 2021
<b>MA#</b>	MA005540469		
<b>Package</b>	PG-TO247-3-901	<b>Weight*</b>	5739.44 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	27.816	0.48	0.48	4847	4847
leadframe	inorganic material	phosphorus	7723-14-0	1.131	0.02		197	
	non noble metal	iron	7439-89-6	3.771	0.07		657	
	non noble metal	copper	7440-50-8	3,765.728	65.60	65.69	656115	656969
wire	non noble metal	aluminium	7429-90-5	19.592	0.34	0.34	3413	3413
encapsulation	organic material	carbon black	1333-86-4	9.485	0.17		1653	
	plastics	epoxy resin	-	379.419	6.61		66107	
	inorganic material	silicondioxide	60676-86-0	1,508.190	26.28	33.06	262777	330537
leadfinish	non noble metal	tin	7440-31-5	13.948	0.24	0.24	2430	2430
solder	non noble metal	antimony	7440-36-0	1.036	0.02		180	
	noble metal	silver	7440-22-4	2.590	0.05		451	
	non noble metal	tin	7440-31-5	6.733	0.12	0.19	1173	1804
*deviation	< 10%	Sum in total:				100.00		1000000

### Important Remarks:

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