



Material Content Data Sheet



Halogen-Free

Sales Product Name IPP80R450P7

Issued

09. February 2022

MA# MA005565674

Package PG-TO220-3-321

Weight*

1923.72 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	3.428	0.18	0.18	1782	1782
leadframe	inorganic material	phosphorus	7723-14-0	0.436	0.02		227	
	non noble metal	iron	7439-89-6	1.455	0.08		756	
	non noble metal	copper	7440-50-8	1,452.764	75.51	75.61	755183	756166
wire	non noble metal	aluminium	7429-90-5	3.194	0.17	0.17	1660	1660
encapsulation	organic material	carbon black	1333-86-4	2.264	0.12		1177	
	inorganic material	zinc borate	-	43.010	2.24		22358	
	plastics	epoxy resin	-	90.547	4.71		47069	
	inorganic material	silicondioxide	60676-86-0	316.916	16.47	23.54	164741	235345
leadfinish	non noble metal	tin	7440-31-5	7.542	0.39	0.39	3920	3920
solder	non noble metal	antimony	7440-36-0	0.217	0.01		113	
	noble metal	silver	7440-22-4	0.542	0.03		282	
	non noble metal	tin	7440-31-5	1.408	0.07	0.11	732	1127
*deviation	< 10%	Sum in total:				100.00		1000000

Important Remarks:

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