



Material Content Data Sheet



Halogen-Free

Sales Product Name IPP90R800C3

Issued

15. May 2021

MA# MA005341906

Package PG-TO220-3-123

Weight*

2027.74 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	6.653	0.33	0.33	3281	3281
leadframe	inorganic material	phosphorus	7723-14-0	0.245	0.01		121	
	non noble metal	iron	7439-89-6	0.816	0.04		403	
	non noble metal	copper	7440-50-8	815.335	40.20	40.25	402091	402615
wire	non noble metal	aluminium	7429-90-5	1.870	0.09	0.09	922	922
encapsulation	organic material	carbon black	1333-86-4	2.344	0.12		1156	
	plastics	epoxy resin	-	67.969	3.35		33520	
	inorganic material	silicon dioxide	60676-86-0	515.629	25.43	28.90	254287	288963
leadfinish	non noble metal	tin	7440-31-5	21.462	1.06	1.06	10584	10584
plating	non noble metal	nickel	7440-02-0	1.764	0.09	0.09	870	870
solder	non noble metal	antimony	7440-36-0	0.342	0.02		169	
	noble metal	silver	7440-22-4	0.855	0.04		421	
	non noble metal	tin	7440-31-5	2.222	0.11	0.17	1096	1686
heatspreader	inorganic material	phosphorus	7723-14-0	0.177	0.01		87	
	non noble metal	iron	7439-89-6	0.590	0.03		291	
	non noble metal	copper	7440-50-8	589.466	29.07	29.11	290701	291079
*deviation	< 10%	Sum in total:				100.00		1000000

Important Remarks:

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This product is in compliance with EU Directive 2015/863/EU amending Annex II to EU Directive 2011/65/EU (RoHS) and does not use any exemption.

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