



## Material Content Data Sheet



Halogen-Free

Sales Product Name	IPP60R600P7	Issued	11. April 2021
MA#	MA001994428		
Package	PG-TO220-3-123	Weight*	2024.80 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	1.664	0.08	0.08	822	822
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	40.26	40.31	402674	403198
wire	non noble metal	aluminium	7429-90-5	0.712	0.04	0.04	352	352
encapsulation	organic material	carbon black	1333-86-4	2.365	0.12		1168	
	plastics	epoxy resin	-	68.581	3.39		33871	
	inorganic material	silicondioxide	60676-86-0	520.271	25.69	29.20	256949	291988
leadfinish	non noble metal	tin	7440-31-5	21.462	1.06	1.06	10600	10600
plating	non noble metal	nickel	7440-02-0	1.764	0.09	0.09	871	871
solder	non noble metal	antimony	7440-36-0	0.135	0.01		67	
	noble metal	silver	7440-22-4	0.338	0.02		167	
	non noble metal	tin	7440-31-5	0.879	0.04	0.07	434	668
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	29.11	29.15	291123	291501
*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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