



Material Content Data Sheet



Halogen-Free

Sales Product Name	IPP80R600P7	Issued	14. February 2022
MA#	MA005624278		
Package	PG-TO220-3-123	Weight*	2035.14 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	2.758	0.14	0.14	1355	1355
leadframe	inorganic material	phosphorus	7723-14-0	0.245	0.01		120	
	non noble metal	iron	7439-89-6	0.816	0.04		401	
	non noble metal	copper	7440-50-8	815.335	40.06	40.11	400630	401151
wire	non noble metal	aluminium	7429-90-5	1.818	0.09	0.09	893	893
encapsulation	organic material	carbon black	1333-86-4	2.994	0.15		1471	
	miscellaneous	miscellaneous	-	2.994	0.15		1471	
	organic material	phenol formaldehyde resin	9003-35-4	35.930	1.77		17655	
	inorganic material	silicondioxide	14808-60-7	47.907	2.35		23540	
	non noble metal	metal hydroxide	-	47.907	2.35		23540	
	plastics	epoxy resin	29690-82-2	71.861	3.53		35310	
	inorganic material	silicondioxide	60676-86-0	389.247	19.13	29.43	191263	294250
leadfinish	non noble metal	tin	7440-31-5	21.462	1.05	1.05	10546	10546
plating	non noble metal	nickel	7440-02-0	1.764	0.09	0.09	867	867
solder	non noble metal	antimony	7440-36-0	0.187	0.01		92	
	noble metal	silver	7440-22-4	0.466	0.02		229	
	non noble metal	tin	7440-31-5	1.213	0.06	0.09	596	917
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	28.96	29.00	289644	290021
*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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