

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPP60R160C6	**Issued**	03. June 2021
MA#	MA005404399		
Package	PG-TO220-3-123	**Weight***	2038.75 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	9.747	0.48	0.48	4781	4781
leadframe	inorganic material	phosphorus	7723-14-0	0.245	0.01		120	
	non noble metal	iron	7439-89-6	0.816	0.04		400	
	non noble metal	copper	7440-50-8	815.335	40.01	40.06	399920	400440
wire	non noble metal	aluminium	7429-90-5	3.212	0.16	0.16	1575	1575
encapsulation	organic material	carbon black	1333-86-4	2.957	0.14		1450	
	miscellaneous	miscellaneous	-	2.957	0.14		1450	
	organic material	phenol formaldehyde resin	9003-35-4	35.484	1.74		17405	
	inorganic material	silicondioxide	14808-60-7	47.311	2.32		23206	
	non noble metal	metal hydroxide	-	47.311	2.32		23206	
	plastics	epoxy resin	29690-82-2	70.967	3.48		34809	
	inorganic material	silicondioxide	60676-86-0	384.405	18.85	28.99	188549	290075
leadfinish	non noble metal	tin	7440-31-5	21.462	1.05	1.05	10527	10527
plating	non noble metal	nickel	7440-02-0	1.764	0.09	0.09	865	865
solder	non noble metal	antimony	7440-36-0	0.455	0.02		223	
	noble metal	silver	7440-22-4	1.136	0.06		557	
	non noble metal	tin	7440-31-5	2.955	0.14	0.22	1449	2229
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	28.91	28.95	289131	289508
*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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