



Material Content Data Sheet



Halogen-Free

Sales Product Name	IPA60R080P7	Issued	14. February 2022
MA#	MA005621026		
Package	PG-TO220-3-253	Weight*	2136.03 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	7.931	0.37	0.37	3713	3713
leadframe	inorganic material	phosphorus	7723-14-0	0.429	0.02		201	
	non noble metal	iron	7439-89-6	1.431	0.07		670	
	non noble metal	copper	7440-50-8	1,428.770	66.87	66.96	668889	669760
wire	non noble metal	aluminium	7429-90-5	3.781	0.18	0.18	1770	1770
encapsulation	organic material	carbon black	1333-86-4	3.333	0.16		1560	
	plastics	epoxy resin	-	129.983	6.09		60852	
	inorganic material	silicondioxide	60676-86-0	533.264	24.97	31.22	249651	312063
leadfinish	non noble metal	tin	7440-31-5	21.462	1.00	1.00	10048	10048
plating	non noble metal	nickel	7440-02-0	1.764	0.08	0.08	826	826
solder	non noble metal	antimony	7440-36-0	0.389	0.02		182	
	noble metal	silver	7440-22-4	0.972	0.05		455	
	non noble metal	tin	7440-31-5	2.526	0.12	0.19	1183	1820
*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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