



Material Content Data Sheet



Halogen-Free

Sales Product Name	IPZA60R099P7	Issued	14. February 2022
MA#	MA005621100		
Package	PG-TO247-4-3	Weight*	6290.19 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	7.092	0.11	0.11	1127	1127
leadframe	inorganic material	phosphorus	7723-14-0	1.279	0.02		203	
	non noble metal	iron	7439-89-6	4.263	0.07		678	
	non noble metal	copper	7440-50-8	4,257.756	67.70	67.79	676889	677770
wire	non noble metal	aluminium	7429-90-5	4.058	0.06	0.06	645	645
encapsulation	organic material	carbon black	1333-86-4	19.760	0.31		3141	
	plastics	epoxy resin	-	375.447	5.97		59688	
	inorganic material	silicondioxide	60676-86-0	1,580.829	25.13	31.41	251317	314146
leadfinish	non noble metal	tin	7440-31-5	34.164	0.54	0.54	5431	5431
plating	non noble metal	nickel	7440-02-0	1.950	0.03	0.03	310	310
solder	non noble metal	antimony	7440-36-0	0.359	0.01		57	
	noble metal	silver	7440-22-4	0.897	0.01		143	
	non noble metal	tin	7440-31-5	2.331	0.04	0.06	371	571
*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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