



## Material Content Data Sheet



Halogen-Free

Sales Product Name	IPA65R380E6	Issued	25. June 2021
MA#	MA005557687		
Package	PG-TO220-3-317	Weight*	2104.60 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	4.901	0.23	0.23	2329	2329
leadframe	inorganic material	phosphorus	7723-14-0	0.361	0.02		171	
	non noble metal	iron	7439-89-6	1.202	0.06		571	
	non noble metal	copper	7440-50-8	1,200.685	57.05	57.13	570505	571247
wire	non noble metal	aluminium	7429-90-5	1.006	0.05	0.05	478	478
encapsulation	organic material	carbon black	1333-86-4	8.803	0.42		4183	
	plastics	epoxy resin	-	142.379	6.77		67651	
	inorganic material	silicondioxide	60676-86-0	734.607	34.90	42.09	349048	420882
leadfinish	non noble metal	tin	7440-31-5	7.889	0.37	0.37	3748	3748
solder	non noble metal	antimony	7440-36-0	0.277	0.01		132	
	noble metal	silver	7440-22-4	0.692	0.03		329	
	non noble metal	tin	7440-31-5	1.799	0.09	0.13	855	1316
*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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