



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	ICE5GR1680AG	<b>Issued</b>	24. June 2021
<b>MA#</b>	MA001994412		
<b>Package</b>	PG-DSO-12-21	<b>Weight*</b>	154.85 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	2.123	1.37	1.37	13712	13712
leadframe	inorganic material	phosphorus	7723-14-0	0.017	0.01		112	
	non noble metal	zinc	7440-66-6	0.069	0.04		448	
	non noble metal	iron	7439-89-6	1.386	0.90		8952	
	non noble metal	copper	7440-50-8	56.286	36.35	37.30	363485	372997
wire	noble metal	palladium	7440-05-3	0.001			6	
	non noble metal	copper	7440-50-8	0.088	0.06	0.06	567	573
encapsulation	organic material	carbon black	1333-86-4	0.277	0.18		1789	
	plastics	epoxy resin	-	10.807	6.98		69790	
	inorganic material	silicondioxide	60676-86-0	81.284	52.48	59.64	524918	596497
leadfinish	non noble metal	tin	7440-31-5	1.143	0.74	0.74	7379	7379
plating	noble metal	silver	7440-22-4	0.428	0.28	0.28	2767	2767
glue	plastics	epoxy resin	-	0.141	0.09		911	
	noble metal	silver	7440-22-4	0.800	0.52	0.61	5164	6075
*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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