

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	ICE5QR0680AG	**Issued**	19. January 2018
MA#	MA001976912		
Package	PG-DSO-12-21	**Weight***	155.32 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	4.091	2.63	2.63	26340	26340
leadframe	inorganic material	phosphorus	7723-14-0	0.017	0.01		112	
	non noble metal	zinc	7440-66-6	0.069	0.04		446	
	non noble metal	iron	7439-89-6	1.386	0.89		8925	
	non noble metal	copper	7440-50-8	56.286	36.24	37.18	362397	371880
wire	noble metal	palladium	7440-05-3	0.001	0.00		6	
	non noble metal	copper	7440-50-8	0.086	0.06	0.06	555	561
encapsulation	organic material	carbon black	1333-86-4	0.271	0.17		1747	
	plastics	epoxy resin	-	10.582	6.81		68132	
	inorganic material	silicondioxide	60676-86-0	79.591	51.25	58.23	512448	582327
leadfinish	non noble metal	tin	7440-31-5	1.143	0.74	0.74	7357	7357
plating	noble metal	silver	7440-22-4	0.428	0.28	0.28	2759	2759
glue	plastics	epoxy resin	-	0.204	0.13		1316	
	noble metal	silver	7440-22-4	1.159	0.75	0.88	7460	8776
*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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