



Material Content Data Sheet



Sales Product Name	ICE5QR1680AG			Issued	24. January 2018			
MA#	MA001976924							
Package	PG-DSO-12-21			Weight*	155.07 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	2.999	1.93	1.93	19339	19339
leadframe	inorganic material	phosphorus	7723-14-0	0.017	0.01		112	
	non noble metal	zinc	7440-66-6	0.069	0.04		447	
	non noble metal	iron	7439-89-6	1.386	0.89		8939	
wire	non noble metal	copper	7440-50-8	56.286	36.30	37.24	362963	372461
	noble metal	palladium	7440-05-3	0.001	0.00		5	
	non noble metal	copper	7440-50-8	0.079	0.05	0.05	510	515
encapsulation	organic material	carbon black	1333-86-4	0.274	0.18		1770	
	plastics	epoxy resin	-	10.704	6.90		69025	
	inorganic material	silicondioxide	60676-86-0	80.508	51.92	59.00	519159	589954
leadfinish	non noble metal	tin	7440-31-5	1.143	0.74	0.74	7368	7368
plating	noble metal	silver	7440-22-4	0.428	0.28	0.28	2763	2763
glue	plastics	epoxy resin	-	0.177	0.11		1140	
	noble metal	silver	7440-22-4	1.002	0.65	0.76	6460	7600
*deviation	< 10%			Sum in total:		100.00		1000000

Important Remarks:

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3. All statements are based on our present knowledge, are provided 'as is' and may be subject to change at any time due to technical requirements and development without notification.

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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