



Material Content Data Sheet



Sales Product Name		ICE5QR4770AG		Issued		1. August 2018		
MA#		MA001994492						
Package		PG-DSO-12-21		Weight*		154.70 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	1.556	1.01	1.01	10056	10056
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		8961	
wire	non noble metal	copper	7440-50-8	56.286	36.38	37.33	363848	373369
	noble metal	palladium	7440-05-3	0.001	0.00		5	
	non noble metal	copper	7440-50-8	0.077	0.05	0.05	496	501
encapsulation	organic material	carbon black	1333-86-4	0.279	0.18		1802	
	plastics	epoxy resin	-	10.874	7.03		70292	
	inorganic material	silicondioxide	60676-86-0	81.787	52.86	60.07	528695	600789
leadfinish	non noble metal	tin	7440-31-5	1.143	0.74	0.74	7386	7386
plating	noble metal	silver	7440-22-4	0.428	0.28	0.28	2770	2770
glue	plastics	epoxy resin	-	0.119	0.08		769	
	noble metal	silver	7440-22-4	0.674	0.44	0.52	4360	5129
*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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