



Material Content Data Sheet



Sales Product Name		ICE5AR4770AG		Issued		1. August 2018		
MA#		MA001994498						
Package		PG-DSO-12-21		Weight*		154.69 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	1.517	0.98	0.98	9804	9804
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	36.39	37.34	363863	373384
	noble metal	palladium	7440-05-3	0.001	0.00		5	
encapsulation	non noble metal	copper	7440-50-8	0.082	0.05	0.05	532	537
	organic material	carbon black	1333-86-4	0.279	0.18		1803	
	plastics	epoxy resin	-	10.878	7.03		70324	
leadfinish	inorganic material	silicondioxide	60676-86-0	81.821	52.89	60.10	528937	601064
	non noble metal	tin	7440-31-5	1.143	0.74	0.74	7387	7387
plating	noble metal	silver	7440-22-4	0.428	0.28	0.28	2770	2770
glue	plastics	epoxy resin	-	0.117	0.08		758	
	noble metal	silver	7440-22-4	0.665	0.43	0.51	4296	5054
*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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