



Material Content Data Sheet



Sales Product Name		ICE3BR1065JF		Issued		29. August 2013		
MA#		MA000987988						
Package		PG-TO220-6-247		Weight*		1860.68 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	4.461	0.24	0.24	2397	2397
ball_bumps	noble metal	gold	7440-57-5	0.019	0.00	0.00	10	10
leadframe	non noble metal	iron	7439-89-6	0.438	0.02		235	
	inorganic material	phosphorus	7723-14-0	0.131	0.01		71	
	non noble metal	copper	7440-50-8	437.355	23.51	23.54	235052	235358
wire	non noble metal	copper	7440-50-8	0.909	0.05	0.05	489	489
encapsulation	organic material	carbon black	1333-86-4	2.528	0.14		1359	
	plastics	epoxy resin	-	237.666	12.77		127731	
	inorganic material	silicondioxide	60676-86-0	1023.989	55.03	67.94	550331	679421
leadfinish	non noble metal	tin	7440-31-5	9.724	0.52	0.52	5226	5226
plating	noble metal	silver	7440-22-4	0.626	0.03	0.03	336	336
solder	non noble metal	antimony	7440-36-0	0.425	0.02		228	
	noble metal	silver	7440-22-4	1.062	0.06		571	
	non noble metal	tin	7440-31-5	2.762	0.15	0.23	1485	2284
heatspreader	non noble metal	iron	7439-89-6	0.139	0.01		74	
	inorganic material	phosphorus	7723-14-0	0.042	0.00		22	
	non noble metal	copper	7440-50-8	138.403	7.44	7.45	74383	74479
*deviation	< 10%				Sum in total:	100,00		1000000

Important Remarks:

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