



Material Content Data Sheet



Sales Product Name	IDB12E120			Issued		29. August 2013		
MA#	MA000520506							
Package	PG-TO263-3-2			Weight*		1557.33 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	2.276	0.15	0.15	1461	1461
leadframe	non noble metal	iron	7439-89-6	0.304	0.02		195	
	inorganic material	phosphorus	7723-14-0	0.091	0.01		59	
	non noble metal	copper	7440-50-8	304.026	19.52	19.55	195223	195477
wire	non noble metal	aluminium	7429-90-5	1.340	0.09	0.09	860	860
encapsulation	organic material	carbon black	1333-86-4	10.334	0.66		6636	
	plastics	epoxy resin	-	113.675	7.30		72994	
	inorganic material	silicondioxide	60676-86-0	564.931	36.27	44.23	362756	442387
leadfinish	non noble metal	tin	7440-31-5	9.657	0.62	0.62	6201	6201
plating	non noble metal	nickel	7440-02-0	0.228	0.01		147	
	inorganic material	phosphorus	7723-14-0	0.001	0.00	0.01	1	147
solder	noble metal	silver	7440-22-4	0.052	0.00		33	
	non noble metal	tin	7440-31-5	0.042	0.00		27	
	non noble metal	lead	7439-92-1	1.992	0.13	0.13	1279	1339
heatspreader	inorganic material	phosphorus	7723-14-0	0.165	0.01		106	
	non noble metal	iron	7439-89-6	0.548	0.04		352	
	non noble metal	copper	7440-50-8	547.666	35.17	35.22	351670	352128
*deviation	< 10%	Sum in total:			100,00		1000000	

Important Remarks:

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