



Material Content Data Sheet



Sales Product Name				IPU80R1K0CE		Issued		29. August 2013	
MA#				MA001128112					
Package				PG-TO251-3-341		Weight*		383.41 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	4.945	1.29	1.29	12896	12896	
leadframe	non noble metal	iron	7439-89-6	0.229	0.06		598		
	inorganic material	phosphorus	7723-14-0	0.069	0.02		179		
	non noble metal	copper	7440-50-8	228.946	59.72	59.80	597130	597907	
wire	non noble metal	aluminium	7429-90-5	0.446	0.12	0.12	1163	1163	
encapsulation	inorganic material	antimonytrioxide	1309-64-4	1.699	0.44		4432		
	plastics	brominated resin	-	1.821	0.47		4749		
	organic material	carbon black	1333-86-4	1.942	0.51		5065		
	plastics	epoxy resin	-	16.386	4.27		42738		
	inorganic material	silicondioxide	60676-86-0	99.531	25.96	31.65	259593	316577	
leadfinish	non noble metal	tin	7440-31-5	3.740	0.98	0.98	9755	9755	
plating	non noble metal	nickel	7440-02-0	0.509	0.13	0.13	1327	1327	
solder	noble metal	silver	7440-22-4	0.099	0.03		257		
	non noble metal	tin	7440-31-5	0.079	0.02		206		
	non noble metal	lead	7439-92-1	3.769	0.98	1.03	9829	10292	
heatspreader	non noble metal	iron	7439-89-6	0.019	0.00		50		
	inorganic material	phosphorus	7723-14-0	0.006	0.00		15		
	non noble metal	copper	7440-50-8	19.177	5.00	5.00	50018	50083	
*deviation	< 10%		Sum in total:			100,00		1000000	

Important Remarks:

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