



Material Content Data Sheet



Sales Product Name		IPU60R1K4C6		Issued		29. August 2013		
MA#		MA000984554						
Package		PG-TO251-3-341		Weight*		381.14 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	1.624	0.43	0.43	4261	4261
leadframe	non noble metal	iron	7439-89-6	0.248	0.07		652	
	inorganic material	phosphorus	7723-14-0	0.075	0.02		196	
	non noble metal	copper	7440-50-8	248.124	65.10	65.19	651008	651856
wire	non noble metal	aluminium	7429-90-5	0.406	0.11	0.11	1066	1066
encapsulation	inorganic material	antimonytrioxide	1309-64-4	1.743	0.46		4574	
	plastics	brominated resin	-	1.868	0.49		4901	
	organic material	carbon black	1333-86-4	1.992	0.52		5227	
	plastics	epoxy resin	-	16.811	4.41		44107	
	inorganic material	silicondioxide	60676-86-0	102.110	26.79	32.67	267908	326717
leadfinish	non noble metal	tin	7440-31-5	3.740	0.98	0.98	9813	9813
plating	non noble metal	nickel	7440-02-0	0.509	0.13	0.13	1335	1335
solder	noble metal	silver	7440-22-4	0.047	0.01		124	
	non noble metal	tin	7440-31-5	0.038	0.01		99	
	non noble metal	lead	7439-92-1	1.802	0.47	0.49	4729	4952
*deviation	< 10%		Sum in total:			100.00		1000000

Important Remarks:

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