



Material Content Data Sheet



Sales Product Name		IPI120P04P4-04		Issued		29. August 2013		
MA#		MA000892854						
Package		PG-TO262-3-1		Weight*		1574.23 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	5.301	0.34	0.34	3367	3367
leadframe	non noble metal	iron	7439-89-6	0.851	0.05		540	
	inorganic material	phosphorus	7723-14-0	0.255	0.02		162	
	non noble metal	copper	7440-50-8	849.682	53.96	54.03	539743	540446
wire	non noble metal	aluminium	7429-90-5	10.016	0.64	0.64	6363	6363
encapsulation	organic material	carbon black	1333-86-4	8.737	0.56		5550	
	plastics	epoxy resin	-	96.102	6.10		61047	
	inorganic material	silicondioxide	60676-86-0	477.596	30.34	37.00	303383	369980
leadfinish	non noble metal	tin	7440-31-5	15.198	0.97	0.97	9654	9654
plating	non noble metal	nickel	7440-02-0	0.228	0.01		145	
	inorganic material	phosphorus	7723-14-0	0.001	0.00	0.01	1	145
solder	noble metal	silver	7440-22-4	0.098	0.01		62	
	non noble metal	tin	7440-31-5	0.078	0.00		50	
	non noble metal	lead	7439-92-1	3.741	0.24	0.25	2377	2489
heatspreader	inorganic material	phosphorus	7723-14-0	0.032	0.00		20	
	non noble metal	iron	7439-89-6	0.106	0.01		68	
	non noble metal	copper	7440-50-8	106.210	6.75	6.76	67468	67556
*deviation	< 10%		Sum in total:			100.00		1000000

Important Remarks:

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