



Material Content Data Sheet



Sales Product Name		IPI45N06S4-09		Issued		29. August 2013		
MA#		MA000374467						
Package		PG-TO262-3-1		Weight*		1571.45 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	2.120	0.13	0.13	1349	1349
leadframe	non noble metal	iron	7439-89-6	0.851	0.05		541	
	inorganic material	phosphorus	7723-14-0	0.255	0.02		162	
	non noble metal	copper	7440-50-8	849.682	54.09	54.16	540699	541403
wire	non noble metal	aluminium	7429-90-5	2.833	0.18	0.18	1803	1803
encapsulation	organic material	carbon black	1333-86-4	8.876	0.56		5649	
	plastics	epoxy resin	-	97.641	6.21		62134	
	inorganic material	silicondioxide	60676-86-0	485.245	30.88	37.65	308788	376571
leadfinish	non noble metal	tin	7440-31-5	15.198	0.97	0.97	9671	9671
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	0.054	0.00		35	
	non noble metal	tin	7440-31-5	0.043	0.00		28	
	non noble metal	lead	7439-92-1	2.074	0.13	0.13	1320	1383
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	6.76	6.77	67587	67675
*deviation	< 10%		Sum in total:			100.00		1000000

Important Remarks:

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