



Material Content Data Sheet



Sales Product Name				IPI70N10S3-12		Issued		29. August 2013	
MA#				MA000408224					
Package				PG-TO262-3-1		Weight*		1574.40 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	5.755	0.37	0.37	3655	3655	
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	53.95	54.02	539684	540387	
wire	non noble metal	aluminium	7429-90-5	5.305	0.34	0.34	3370	3370	
encapsulation	organic material	carbon black	1333-86-4	8.792	0.56		5584		
	plastics	epoxy resin	-	96.710	6.14		61426		
	inorganic material	silicondioxide	60676-86-0	480.617	30.53	37.23	305270	372280	
leadfinish	non noble metal	tin	7440-31-5	15.198	0.97	0.97	9653	9653	
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	0.117	0.01		74		
	non noble metal	tin	7440-31-5	0.093	0.01		59		
	non noble metal	lead	7439-92-1	4.452	0.28	0.30	2828	2961	
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	67461	67549	
*deviation	< 10%					Sum in total:	100.00	1000000	

Important Remarks:

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