



Material Content Data Sheet



Sales Product Name		IPI60R520CP		Issued		29. August 2013		
MA#		MA000409046						
Package		PG-TO262-3-1		Weight*		1572.52 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	3.934	0.25	0.25	2502	2502
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	54.04	54.11	540330	541034
wire	non noble metal	aluminium	7429-90-5	0.730	0.05	0.05	464	464
encapsulation	organic material	carbon black	1333-86-4	8.879	0.56		5646	
	plastics	epoxy resin	-	97.667	6.21		62109	
	inorganic material	silicondioxide	60676-86-0	485.375	30.87	37.64	308661	376416
leadfinish	non noble metal	tin	7440-31-5	15.198	0.97	0.97	9665	9665
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	0.084	0.01		54	
	non noble metal	tin	7440-31-5	0.067	0.00		43	
	non noble metal	lead	7439-92-1	3.220	0.20	0.21	2048	2145
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	67541	67629
*deviation	< 10%				Sum in total:	100.00		1000000

Important Remarks:

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