



Material Content Data Sheet



Sales Product Name				IPW50R250CP		Issued		19. February 2016	
MA#				MA000908626					
Package				PG-TO247-3-21		Weight*		6001.99 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	7.183	0.12	0.12	1197	1197	
leadframe	non noble metal	iron	7439-89-6	0.530	0.01		88		
	inorganic material	phosphorus	7723-14-0	0.159	0.00		26		
	non noble metal	copper	7440-50-8	529.068	8.81	8.82	88149	88263	
wire	non noble metal	aluminium	7429-90-5	41.882	0.70	0.70	6978	6978	
encapsulation	organic material	carbon black	1333-86-4	21.069	0.35		3510		
	inorganic material	antimonytrioxide	1309-64-4	44.053	0.73		7340		
	plastics	brominated resin	-	49.799	0.83		8297		
	plastics	epoxy resin	-	363.919	6.06		60633		
	inorganic material	silicondioxide	60676-86-0	1436.524	23.93	31.90	239341	319121	
leadfinish	non noble metal	tin	7440-31-5	32.273	0.54	0.54	5377	5377	
plating	non noble metal	nickel	7440-02-0	29.428	0.49	0.49	4903	4903	
solder	non noble metal	antimony	7440-36-0	0.362	0.01		60		
	noble metal	silver	7440-22-4	0.906	0.02		151		
	non noble metal	tin	7440-31-5	2.356	0.04	0.07	393	604	
heatspreader	inorganic material	phosphorus	7723-14-0	1.033	0.02		172		
	non noble metal	iron	7439-89-6	3.442	0.06		574		
	non noble metal	copper	7440-50-8	3438.006	57.28	57.36	572811	573557	
*deviation	< 10%					Sum in total:	100.00	1000000	

Important Remarks:

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This product is in compliance with EU Directive 2011/65/EU (RoHS) and does not use any exemption.

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