



Material Content Data Sheet



Sales Product Name		IPW50R350CP		Issued		17. December 2015		
MA#		MA000909230						
Package		PG-TO247-3-21		Weight*		5998.96 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	5.444	0.09	0.09	907	907
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	8.82	8.83	88194	88308
wire	non noble metal	aluminium	7429-90-5	26.000	0.43	0.43	4334	4334
encapsulation	organic material	carbon black	1333-86-4	21.237	0.35		3540	
	inorganic material	antimonytrioxide	1309-64-4	44.404	0.74		7402	
	plastics	brominated resin	-	50.196	0.84		8367	
	plastics	epoxy resin	-	366.815	6.11		61146	
	inorganic material	silicondioxide	60676-86-0	1447.952	24.14	32.18	241368	321823
leadfinish	non noble metal	tin	7440-31-5	32.273	0.54	0.54	5380	5380
plating	non noble metal	nickel	7440-02-0	29.428	0.49	0.49	4906	4906
solder	non noble metal	antimony	7440-36-0	0.298	0.00		50	
	noble metal	silver	7440-22-4	0.744	0.01		124	
	non noble metal	tin	7440-31-5	1.934	0.03	0.04	322	496
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	57.32	57.40	573100	573846
*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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