



Material Content Data Sheet



Sales Product Name		IPW50R140CP		Issued		20. July 2018		
MA#		MA000909394						
Package		PG-TO247-3-41		Weight*		6055.51 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	11.898	0.20	0.20	1965	1965
leadframe	non noble metal	iron	7439-89-6	0.530	0.01		87	
	inorganic material	phosphorus	7723-14-0	0.159	0.00		26	
	non noble metal	copper	7440-50-8	529.068	8.74	8.75	87370	87483
wire	non noble metal	aluminium	7429-90-5	44.105	0.73	0.73	7283	7283
encapsulation	organic material	carbon black	1333-86-4	19.603	0.32		3237	
	plastics	epoxy resin	-	372.462	6.15		61508	
	inorganic material	silicondioxide	60676-86-0	1568.263	25.90	32.37	258982	323727
leadfinish	non noble metal	tin	7440-31-5	32.273	0.53	0.53	5329	5329
plating	non noble metal	nickel	7440-02-0	29.428	0.49	0.49	4860	4860
solder	non noble metal	antimony	7440-36-0	0.524	0.01		87	
	noble metal	silver	7440-22-4	1.310	0.02		216	
	non noble metal	tin	7440-31-5	3.406	0.06	0.09	562	865
heatspreader	inorganic material	phosphorus	7723-14-0	1.033	0.02		171	
	non noble metal	iron	7439-89-6	3.442	0.06		568	
	non noble metal	copper	7440-50-8	3438.006	56.76	56.84	567749	568488
*deviation	< 10%					Sum in total:	100.00	1000000

Important Remarks:

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3. All statements are based on our present knowledge, are provided 'as is' and may be subject to change at any time due to technical requirements and development without notification.

This product is in compliance with EU Directive 2015/863/EU amending Annex II to EU Directive 2011/65/EU (RoHS) and does not use any exemption

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