



Material Content Data Sheet



Sales Product Name		IPP50R140CP		Issued		19. July 2018		
MA#		MA000907564						
Package		PG-TO220-3-1		Weight*		2037.74 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	0.58	0.58	5839	5839
leadframe	non noble metal	iron	7439-89-6	0.816	0.04		401	
	inorganic material	phosphorus	7723-14-0	0.245	0.01		120	
	non noble metal	copper	7440-50-8	815.335	40.01	40.06	400116	400638
wire	non noble metal	aluminium	7429-90-5	28.352	1.39	1.39	13913	13913
encapsulation	organic material	carbon black	1333-86-4	5.639	0.28		2767	
	plastics	epoxy resin	-	107.144	5.26		52580	
	inorganic material	silicondioxide	60676-86-0	451.132	22.14	27.68	221388	276735
leadfinish	non noble metal	tin	7440-31-5	21.462	1.05	1.05	10532	10532
plating	non noble metal	nickel	7440-02-0	0.244	0.01		120	
	inorganic material	phosphorus	7723-14-0	0.001	0.00	0.01	1	120
solder	non noble metal	antimony	7440-36-0	0.524	0.03		257	
	noble metal	silver	7440-22-4	1.310	0.06		643	
	non noble metal	tin	7440-31-5	3.406	0.17	0.26	1671	2571
heatspreader	non noble metal	iron	7439-89-6	0.590	0.03		290	
	inorganic material	phosphorus	7723-14-0	0.177	0.01		87	
	non noble metal	copper	7440-50-8	589.466	28.93	28.97	289275	289652
*deviation	< 10%				Sum in total:	100.00		1000000

Important Remarks:

1. Infineon Technologies AG provides full material declaration based on information provided by third parties and has taken and continues to take reasonable steps to provide representative and accurate information.
2. Infineon Technologies AG and Infineon Technologies AG suppliers consider certain information to be proprietary, and thus CAS numbers and other limited information may not be available for release.
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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