



Material Content Data Sheet



Sales Product Name		IPP60R099P6		Issued		20. July 2018		
MA#		MA001137994						
Package		PG-TO220-3-123		Weight*		2034.39 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	15.501	0.76	0.76	7620	7620
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	40.07	40.12	400776	401297
wire	non noble metal	aluminium	7429-90-5	26.122	1.28	1.28	12840	12840
encapsulation	organic material	carbon black	1333-86-4	2.226	0.11		1094	
	plastics	epoxy resin	-	64.545	3.17		31727	
	inorganic material	silicondioxide	60676-86-0	489.654	24.07	27.35	240689	273510
leadfinish	non noble metal	tin	7440-31-5	21.462	1.06	1.06	10550	10550
plating	non noble metal	nickel	7440-02-0	1.764	0.09	0.09	867	867
solder	non noble metal	antimony	7440-36-0	0.649	0.03		319	
	noble metal	silver	7440-22-4	1.621	0.08		797	
	non noble metal	tin	7440-31-5	4.216	0.21	0.32	2072	3188
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	28.98	29.02	289751	290128
*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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