



Material Content Data Sheet



Sales Product Name		IPP60R450E6		Issued		21. July 2016		
MA#		MA001051798						
Package		PG-TO220-3-1		Weight*		2031.80 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	4.072	0.20	0.20	2004	2004
leadframe	non noble metal	iron	7439-89-6	0.816	0.04		402	
	inorganic material	phosphorus	7723-14-0	0.245	0.01		121	
	non noble metal	copper	7440-50-8	815.335	40.13	40.18	401286	401810
wire	non noble metal	aluminium	7429-90-5	7.156	0.35	0.35	3522	3522
encapsulation	organic material	carbon black	1333-86-4	5.898	0.29		2903	
	plastics	epoxy resin	-	112.064	5.52		55155	
	inorganic material	silicondioxide	60676-86-0	471.849	23.22	29.03	232232	290290
leadfinish	non noble metal	tin	7440-31-5	21.462	1.06	1.06	10563	10563
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	0.243	0.01		119	
	noble metal	silver	7440-22-4	0.606	0.03		298	
	non noble metal	tin	7440-31-5	1.576	0.08	0.12	776	1193
heatspreader	non noble metal	iron	7439-89-6	0.590	0.03		291	
	inorganic material	phosphorus	7723-14-0	0.177	0.01		87	
	non noble metal	copper	7440-50-8	589.466	29.01	29.05	290120	290498
*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.
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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 2011/65/EU (RoHS) and does not use any exemption.

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