



Material Content Data Sheet



Sales Product Name		IPA60R190E6		Issued		4. July 2019		
MA#		MA005341138						
Package		PG-TO220-3-253		Weight*		2135.35 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	8.148	0.38	0.38	3816	3816
leadframe	inorganic material	phosphorus	7723-14-0	0.429	0.02		201	
	non noble metal	iron	7439-89-6	1.431	0.07		670	
	non noble metal	copper	7440-50-8	1428.770	66.90	66.99	669103	669974
	non noble metal	aluminium	7429-90-5	2.848	0.13	0.13	1334	1334
wire	non noble metal	aluminium	7429-90-5	2.848	0.13	0.13	1334	1334
encapsulation	organic material	carbon black	1333-86-4	3.333	0.16		1561	
	plastics	epoxy resin	-	129.978	6.09		60869	
	inorganic material	silicondioxide	60676-86-0	533.241	24.97	31.22	249720	312150
leadfinish	non noble metal	tin	7440-31-5	21.462	1.01	1.01	10051	10051
plating	non noble metal	nickel	7440-02-0	1.764	0.08	0.08	826	826
solder	non noble metal	antimony	7440-36-0	0.395	0.02		185	
	noble metal	silver	7440-22-4	0.987	0.05		462	
	non noble metal	tin	7440-31-5	2.567	0.12	0.19	1202	1849
*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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