



Material Content Data Sheet



Sales Product Name		IPS60R400CE		Issued		19. January 2018		
MA#		MA001704012						
Package		PG-TO251-3-346		Weight*		386.74 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	4.522	1.17	1.17	11693	11693
leadframe	inorganic material	phosphorus	7723-14-0	0.063	0.02		162	
	non noble metal	iron	7439-89-6	0.209	0.05		539	
	non noble metal	copper	7440-50-8	208.238	53.86	53.93	538447	539148
	non noble metal	aluminium	7429-90-5	0.438	0.11	0.11	1133	1133
wire	non noble metal	aluminium	7429-90-5	0.438	0.11	0.11	1133	1133
encapsulation	organic material	carbon black	1333-86-4	0.688	0.18		1779	
	plastics	epoxy resin	-	18.577	4.80		48035	
	inorganic material	silicondioxide	60676-86-0	118.343	30.60	35.58	306003	355817
leadfinish	non noble metal	tin	7440-31-5	7.055	1.82	1.82	18241	18241
solder	non noble metal	tin	7440-31-5	0.074	0.02		191	
	noble metal	silver	7440-22-4	0.092	0.02		239	
	non noble metal	lead	7439-92-1	3.529	0.91	0.95	9125	9555
heatspreader	inorganic material	phosphorus	7723-14-0	0.007	0.00		19	
	non noble metal	iron	7439-89-6	0.025	0.01		64	
	non noble metal	copper	7440-50-8	24.879	6.43	6.44	64330	64413
*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 contains Pb according RoHS exemption 7a, Lead in high melting temperature type solders.

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