



Material Content Data Sheet



Sales Product Name		IPS60R1K5CE		Issued		1. August 2018		
MA#		MA001704038						
Package		PG-TO251-3-343		Weight*		339.44 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	1.624	0.48	0.48	4785	4785
leadframe	inorganic material	phosphorus	7723-14-0	0.048	0.01		141	
	non noble metal	iron	7439-89-6	0.160	0.05		471	
	non noble metal	copper	7440-50-8	159.794	47.07	47.13	470760	471372
	non noble metal	aluminium	7429-90-5	0.428	0.13	0.13	1260	1260
wire	non noble metal	aluminium	7429-90-5	0.428	0.13	0.13	1260	1260
encapsulation	organic material	carbon black	1333-86-4	0.729	0.21		2148	
	plastics	epoxy resin	-	19.686	5.80		57995	
	inorganic material	silicondioxide	60676-86-0	125.406	36.95	42.96	369451	429594
leadfinish	non noble metal	tin	7440-31-5	4.771	1.41	1.41	14054	14054
solder	non noble metal	tin	7440-31-5	0.038	0.01		111	
	noble metal	silver	7440-22-4	0.047	0.01		139	
	non noble metal	lead	7439-92-1	1.802	0.53	0.55	5310	5560
heatspreader	inorganic material	phosphorus	7723-14-0	0.007	0.00		22	
	non noble metal	iron	7439-89-6	0.025	0.01		73	
	non noble metal	copper	7440-50-8	24.874	7.33	7.34	73280	73375
*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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