



Material Content Data Sheet



Sales Product Name		IPD50R500CE		Issued		24. January 2018		
MA#		MA001413000						
Package		PG-TO252-3-344		Weight*		323.28 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	2.939	0.91	0.91	9090	9090
leadframe	non noble metal	iron	7439-89-6	0.144	0.04		446	
	inorganic material	phosphorus	7723-14-0	0.043	0.01		134	
	non noble metal	copper	7440-50-8	143.904	44.52	44.57	445137	445717
wire	non noble metal	aluminium	7429-90-5	4.451	1.38	1.38	13768	13768
encapsulation	organic material	carbon black	1333-86-4	0.661	0.20		2044	
	plastics	epoxy resin	-	17.837	5.52		55175	
	inorganic material	silicondioxide	60676-86-0	113.629	35.15	40.87	351488	408707
leadfinish	non noble metal	tin	7440-31-5	3.881	1.20	1.20	12006	12006
solder	noble metal	silver	7440-22-4	0.069	0.02		213	
	non noble metal	tin	7440-31-5	0.055	0.02		170	
	non noble metal	lead	7439-92-1	2.630	0.81	0.85	8134	8517
heatspreader	non noble metal	iron	7439-89-6	0.033	0.01		102	
	inorganic material	phosphorus	7723-14-0	0.010	0.00		31	
	non noble metal	copper	7440-50-8	32.995	10.21	10.22	102062	102195
*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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