



Material Content Data Sheet



Sales Product Name		IPD50R800CE		Issued		19. July 2018		
MA#		MA001180244						
Package		PG-TO252-3-313		Weight*		318.04 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	2.092	0.66	0.66	6576	6576
leadframe	non noble metal	iron	7439-89-6	0.147	0.05		463	
	inorganic material	phosphorus	7723-14-0	0.044	0.01		139	
	non noble metal	copper	7440-50-8	147.096	46.24	46.30	462505	463107
wire	non noble metal	aluminium	7429-90-5	0.498	0.16	0.16	1567	1567
encapsulation	organic material	carbon black	1333-86-4	1.416	0.45		4452	
	plastics	epoxy resin	-	24.778	7.79		77907	
	inorganic material	silicondioxide	60676-86-0	115.394	36.28	44.52	362826	445185
leadfinish	non noble metal	tin	7440-31-5	3.740	1.18	1.18	11760	11760
plating	inorganic material	phosphorus	7723-14-0	0.003	0.00		11	
	non noble metal	nickel	7440-02-0	1.421	0.45	0.45	4466	4477
solder	noble metal	silver	7440-22-4	0.055	0.02		174	
	non noble metal	tin	7440-31-5	0.044	0.01		139	
	non noble metal	lead	7439-92-1	2.111	0.66	0.69	6638	6951
heatspreader	non noble metal	iron	7439-89-6	0.019	0.01		60	
	inorganic material	phosphorus	7723-14-0	0.006	0.00		18	
	non noble metal	copper	7440-50-8	19.177	6.03	6.04	60299	60377
*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.

Company	Infineon Technologies AG
Address	81726 München
Internet	www.infineon.com