



Material Content Data Sheet



Sales Product Name		IPD50R399CP		Issued		25. September 2017		
MA#		MA000907412						
Package		PG-TO252-3-311		Weight*		316.27 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	4.846	1.53	1.53	15322	15322
leadframe	non noble metal	iron	7439-89-6	0.143	0.05		453	
	inorganic material	phosphorus	7723-14-0	0.043	0.01		136	
	non noble metal	copper	7440-50-8	143.098	45.26	45.32	452452	453041
wire	non noble metal	aluminium	7429-90-5	5.445	1.72	1.72	17215	17215
encapsulation	inorganic material	antimonytrioxide	1309-64-4	1.901	0.60		6010	
	plastics	brominated resin	-	2.037	0.64		6440	
	organic material	carbon black	1333-86-4	2.172	0.69		6869	
	plastics	epoxy resin	-	18.330	5.80		57957	
	inorganic material	silicondioxide	60676-86-0	111.339	35.20	42.93	352035	429311
leadfinish	non noble metal	tin	7440-31-5	3.740	1.18	1.18	11825	11825
plating	non noble metal	nickel	7440-02-0	0.086	0.03		273	
	inorganic material	phosphorus	7723-14-0	0.000	0.00	0.03	1	274
solder	noble metal	silver	7440-22-4	0.097	0.03		307	
	non noble metal	tin	7440-31-5	0.078	0.02		246	
	non noble metal	lead	7439-92-1	3.714	1.17	1.22	11744	12297
heatspreader	non noble metal	iron	7439-89-6	0.019	0.01		61	
	inorganic material	phosphorus	7723-14-0	0.006	0.00		18	
	non noble metal	copper	7440-50-8	19.177	6.06	6.07	60636	60715
*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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