



Material Content Data Sheet



Sales Product Name		SPD04P10PL G		Issued		19. January 2018		
MA#		MA001626192						
Package		PG-TO252-3-311		Weight*		312.92 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	1.091	0.35	0.35	3488	3488
leadframe	inorganic material	phosphorus	7723-14-0	0.043	0.01		137	
	non noble metal	iron	7439-89-6	0.143	0.05		458	
	non noble metal	copper	7440-50-8	143.098	45.72	45.78	457300	457895
	non noble metal	aluminium	7429-90-5	0.585	0.19	0.19	1870	1870
wire	inorganic material	antimonytrioxide	1309-64-4	2.011	0.64		6428	
encapsulation	plastics	brominated resin	-	2.155	0.69		6887	
	organic material	carbon black	1333-86-4	2.299	0.73		7346	
	plastics	epoxy resin	-	19.396	6.20		61983	
	inorganic material	silicondioxide	60676-86-0	117.811	37.65	45.91	376490	459134
leadfinish	non noble metal	tin	7440-31-5	3.740	1.20	1.20	11952	11952
plating	inorganic material	phosphorus	7723-14-0	0.000	0.00		1	
	non noble metal	nickel	7440-02-0	0.086	0.03	0.03	276	277
solder	non noble metal	tin	7440-31-5	0.025	0.01		80	
	noble metal	silver	7440-22-4	0.031	0.01		100	
heatspreader	non noble metal	lead	7439-92-1	1.201	0.38	0.40	3839	4019
	inorganic material	phosphorus	7723-14-0	0.006	0.00		18	
	non noble metal	iron	7439-89-6	0.019	0.01		61	
	non noble metal	copper	7440-50-8	19.177	6.13	6.14	61286	61365
*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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