



Material Content Data Sheet



Sales Product Name		IPD60R520C6		Issued		27. December 2016		
MA#		MA000974454						
Package		PG-TO252-3-341		Weight*		382.86 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	3.425	0.89	0.89	8947	8947
leadframe	non noble metal	iron	7439-89-6	0.248	0.06		649	
	inorganic material	phosphorus	7723-14-0	0.075	0.02		195	
	non noble metal	copper	7440-50-8	248.124	64.80	64.88	648084	648928
wire	non noble metal	aluminium	7429-90-5	4.508	1.18	1.18	11773	11773
encapsulation	inorganic material	antimonytrioxide	1309-64-4	1.669	0.44		4358	
	plastics	brominated resin	-	1.788	0.47		4669	
	organic material	carbon black	1333-86-4	1.907	0.50		4981	
	plastics	epoxy resin	-	16.090	4.20		42025	
	inorganic material	silicondioxide	60676-86-0	97.729	25.53	31.14	255262	311295
leadfinish	non noble metal	tin	7440-31-5	3.740	0.98	0.98	9769	9769
plating	non noble metal	nickel	7440-02-0	0.509	0.13	0.13	1329	1329
solder	noble metal	silver	7440-22-4	0.076	0.02		199	
	non noble metal	tin	7440-31-5	0.061	0.02		159	
	non noble metal	lead	7439-92-1	2.910	0.76	0.80	7601	7959
*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 2011/65/EU (RoHS) and contains Pb according RoHS exemption 7a, Lead in high melting temperature type solders.

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