



Material Content Data Sheet

Umbrella Spec	62mm C- Serie SiC with TIM						
Date	2020-01-16			RoHS compliant		Yes	
Revision	1.0						
Construction element	Material group	Materials	CAS-Nr. if applicable	Average mass [%]*	Sum [%]	Traces	Comment
chip	inorganic material	silicon carbide	429-21-2	0,05	0,05		
Base plate and substrate including metallisation	non noble metal	copper	7440-50-8	56,6	60,9		
	inorganic material	aluminium oxid	1344-28-1	1,4			
	non noble metal	tin	7440-31-5	2,7			
	noble metal	silver	7440-22-4	0,1			
	non noble metal	nickel	7440-02-0	0,1			
wire	non noble metal	aluminium	7429-90-5	0,6	0,6		
encapsulation	polymers	silicone gel		11,4	11,4		
housing	polymers	PBT		8,3	14,6		
	inorganic material	antimonytrioxide	1309-64-4	0,9			
	plastics	brominated resin		0,6			
	plastics	chlorinated resin		0,4			
	inorganic material	silicondioxide / glasfiber		4,4			
lead, finish and plating	non noble metal	copper	7440-50-8	9,4	12,5		
	ferrous metal	steel		3,0			
	non noble metal	tin	7440-31-5	0,1			
	non noble metal	zinc	7440-66-6	0,0		X	
	noble metal	silver	7440-22-4	0,0		X	
	non noble metal	nickel	7440-02-0	0,0		X	
	non noble metal	aluminium	7429-90-5	0,0		X	
TIM	non noble metal	aluminium	7429-90-5			X	
	non noble metal	zinc oxid	1314-13-2			X	
	inorganic material	silicon	7440-21-3			X	
	polymers	hydrocarbon co-oligomer				X	
	polymers	hydrocarbon waxes				X	
	non noble metal	titanium	61417-49-0			X	
deviation	<25%		Sum in total		100,00		

Weight range of product family **	338 g
Fluctuation margin	<25%

*) related to component weight

**) Weight of particular product, see technical product information

Important Remarks:

- 1) This document provides full declaration of all materials present in Infineon products above a threshold of 0,1 % b.w. (1000 ppm).
- 2) Trace concentrations (i.e. < 0,1 % b.w) present in products are marked with an "X" as far as they represent substances-of-concern.
A list of substances-of-concern can be found at <http://www.infineon.com/soc>.
- 3) All statements are based on our present knowledge and are subject to change at any time due to technical requirements and development
- 4) Infineon products are not classified as "hazardous substances" according to the definition in the EU Directive 67/548/EC and do therefore not require Material Safety Data Sheets.

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