Material Data Sheet

Infineon Technologies Bipolar GmbH & Co. KG



Product family name	**Ceramic thyristor disc T120.26K**
Date	**18.03.2013**
Revision	**3**

Construction element	*Material group*	*Materials*	*CAS-Nr.* *if applicable*	*Average mass [%]**	*Sum [%]*	*Traces*	*Comment*
Semiconductor inluding leads, solder and ceramics	other metals	Molybdenum	7439-98-7	7,6%	18,8%		
		Chromium	7440-47-3			X	
		Nickel	7440-02-0			X	
		Aluminium	7429-90-5			X	
	nonferrous metals	Copper	7440-50-8	9,5%			Copper galv. Silver Copper galv. Nickel
	nobel metal	Silver	7440-22-4			X	
		Gold	7440-57-5			X	
		Ruthenium	7440-18-8			X	
	Semi metals	Silicon	7440-21-3	1,0%			silicon chip doped with very small amounts of elements such as boron, arsenic or phosphorus evaporated with Aluminium
	Aluminium alloy	Aluminium	7429-90-5			X	
		Silicon	7440-21-3			X	
	Polymers	Silicone rubber	9002-84-0	0,7%			
Package including cover, gel and baseplate	nonferrous metals	Copper	7440-50-8	70,7%	81,2%		copper galv. nickel
		Nickel	7440-02-0			X	
		Aluminium	7429-90-5			X	
	Iron alloy	Iron	7439-89-6	0,1%			
		Chromium	7440-47-3			X	
		Vanadium	7440-62-2			X	
	Iron alloy	Iron	7439-89-6			X	
		Nickel	7440-02-0			X	
	Silver alloy	Silver	7440-22-4			X	
		Copper	7440-50-8			X	
	Inorganic materials, ceramics	Aluminium oxide	1344-28-1	8,3%			
		Polytetraflouretylene	9002-84-0	2,1%			
				Sum in total:	**100,0%**		

Weight range of product family **	**1460g - 1610g**
Fluctuation margin	+/- 5%

*) related to component weight

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

1) Only substances, materials or constituents actually being present in the product are declared. Substances, materials or constituents that are legally listed as banned are not used and are therefore not part of our products.
2) Substances, materials or constituents being present in concentrations < 0.1 % by weight (< 1000 ppm) are indicated as traces.
3) For substances, materials or constituents with possible harmful effects to human life or the environment, we aspire a detailled declaration even for concentrations < 0.1 % by weight.
4) There are no risks for human beings and to the environment if products are used properly as designated. This shall not apply to risks caused during procedures for disposal etc..
5) All statements herein are based on our present knowledge. Further information is available from our sales representatives.

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