

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IRLML5103TRPBF	**Issued**	27. April 2022
MA#	MA005738251		
Package	PG-SOT23-3-901	**Weight***	10.87 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	0.406	3.74	3.74	37373	37373
leadframe	inorganic material	phosphorus	7723-14-0	0.001	0.01		107	
	non noble metal	zinc	7440-66-6	0.005	0.04		426	
	non noble metal	iron	7439-89-6	0.093	0.85		8525	
	non noble metal	copper	7440-50-8	3.761	34.62	35.52	346168	355226
wire	non noble metal	copper	7440-50-8	0.042	0.38	0.38	3829	3829
encapsulation	organic material	carbon black	1333-86-4	0.012	0.11		1113	
	inorganic material	zink oxide	1314-13-2	0.060	0.56		5563	
	plastics	epoxy resin	-	0.604	5.56		55628	
	inorganic material	silica	-	5.367	49.39	55.62	493978	556282
leadfinish	non noble metal	tin	7440-31-5	0.115	1.06	1.06	10569	10569
plating	noble metal	silver	7440-22-4	0.121	1.12	1.12	11167	11167
glue	plastics	epoxy resin	-	0.083	0.77		7666	
	noble metal	silver	7440-22-4	0.194	1.79	2.56	17888	25554
*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.
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This product is in compliance with EU Directive 2015/863/EU amending Annex II to EU Directive 2011/65/EU (RoHS) and does not use any exemption.

Company	Infineon Technologies AG
Address	81726 Neubiberg
Internet	www.infineon.com