



Material Content Data Sheet



Halogen-Free

Sales Product Name	IRFH7446TRPBF	Issued	09. February 2022
MA#	MA005539478		
Package	PG-TDSON-8-907	Weight*	89.93 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	3.227	3.59	3.59	35880	35880
leadframe	inorganic material	phosphorus	7723-14-0	0.009	0.01		104	
	non noble metal	zinc	7440-66-6	0.037	0.04		414	
	non noble metal	iron	7439-89-6	0.745	0.83		8284	
	non noble metal	copper	7440-50-8	30.248	33.64	34.52	336351	345153
wire	non noble metal	copper	7440-50-8	0.049	0.05	0.05	547	547
encapsulation	organic material	carbon black	1333-86-4	0.249	0.28		2771	
	plastics	epoxy resin	-	6.729	7.48		74826	
	inorganic material	silicondioxide	60676-86-0	42.866	47.66	55.42	476666	554263
leadfinish	non noble metal	tin	7440-31-5	1.121	1.25	1.25	12464	12464
plating	noble metal	silver	7440-22-4	0.020	0.02	0.02	226	226
solder	noble metal	silver	7440-22-4	0.072	0.08		800	
	non noble metal	tin	7440-31-5	0.144	0.16		1599	
	non noble metal	lead	7439-92-1	2.660	2.96	3.20	29584	31983
bonding ribbons	non noble metal	nickel	7440-02-0	0.000			2	
	non noble metal	aluminium	7429-90-5	1.752	1.95	1.95	19482	19484
*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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