

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IRL40T209	**Issued**	08. February 2022
MA#	MA001723486		
Package	PG-HSOF-8-1	**Weight***	776.62 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	7.002	0.90	0.90	9016	9016
leadframe	inorganic material	phosphorus	7723-14-0	0.126	0.02		162	
	non noble metal	iron	7439-89-6	0.421	0.05		542	
	non noble metal	copper	7440-50-8	420.040	54.08	54.15	540855	541559
wire	non noble metal	aluminium	7429-90-5	18.603	2.40	2.40	23954	23954
encapsulation	inorganic material	zincoxide	1314-13-2	3.174	0.41		4086	
	miscellaneous	miscellaneous	-	12.694	1.63		16346	
	plastics	epoxy resin	-	47.604	6.13		61296	
	inorganic material	silicondioxide	60676-86-0	253.886	32.69	40.86	326911	408639
leadfinish	non noble metal	tin	7440-31-5	6.479	0.83	0.83	8342	8342
plating	inorganic material	phosphorus	7723-14-0	0.001			2	
	non noble metal	nickel	7440-02-0	0.526	0.07	0.07	677	679
solder	non noble metal	tin	7440-31-5	0.121	0.02		156	
	noble metal	silver	7440-22-4	0.152	0.02		195	
	non noble metal	lead	7439-92-1	5.793	0.75	0.79	7460	7811
*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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