



Material Content Data Sheet



Halogen-Free

Sales Product Name	BFR 193F H6327	Issued	29. June 2021
MA#	MA001303746		
Package	PG-TSFP-3-1	Weight*	1.43 mg

Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]
chip	non noble metal	tin	7440-31-5	0.000	0.03		324	
	noble metal	gold	7440-57-5	0.002	0.13		1258	
	inorganic material	silicon	7440-21-3	0.016	1.09	1.25	10858	12440
leadframe	inorganic material	silicon	7440-21-3	0.000	0.01		80	
	non noble metal	titanium	7440-32-6	0.001	0.04		400	
	non noble metal	chromium	7440-47-3	0.002	0.12		1199	
	non noble metal	copper	7440-50-8	0.570	39.78	39.95	397831	399510
wire	noble metal	gold	7440-57-5	0.004	0.28	0.28	2811	2811
encapsulation	organic material	carbon black	1333-86-4	0.008	0.54		5445	
	plastics	epoxy resin	-	0.168	11.71		117071	
	inorganic material	silicondioxide	60676-86-0	0.605	42.19	54.44	421999	544515
leadfinish	non noble metal	tin	7440-31-5	0.033	2.34	2.34	23351	23351
plating	noble metal	silver	7440-22-4	0.025	1.74	1.74	17373	17373
*deviation	< 10%	Sum in total:				100.00		1000000

Important Remarks:

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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.

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