



Material Composition Declaration

EPC2065

Company Name	Efficient Power Conversion (EPC)	Issue Date:	5/14/2021
Contact Name:	Yanping Ma	Contact Title:	VP Quality
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Part Weight:	10.8 mg	Type of Product:	eGaN FET

Construction Element	Substance	CAS No. If Applicable	Weight	Mass	Sum (%)	Mass (ppm)
			(mg)	(%)		
Chip	Silicon	7440-21-3	7.8808	73.2113	75.8661	732113
	Silicon oxide	7631-86-9	0.0263	0.2442		2442
	Silicon nitride	12033-89-5	0.0103	0.0961		961
	Gallium nitride	25617-97-4	0.0506	0.4702		4702
	Aluminum	7429-90-5	0.1067	0.9910		9910
	Aluminum nitride	24304-00-5	0.0122	0.1133		1133
	Titanium	7440-32-6	0.0021	0.0193		193
	Titanium nitride	25583-20-4	0.0096	0.0895		895
	Copper	7440-50-8	0.0036	0.0330		330
	Tungsten	7440-33-7	0.0035	0.0322		322
	Polyimide		0.0609	0.5662		5662
Under Bump Metal	Titanium	7440-32-6	0.0013	0.0121	0.1323	121
	Copper	7440-50-8	0.0129	0.1202		1202
Solder Bump	Copper	7440-50-8	0.1294	1.2018	24.0017	12018
	Nickel	7440-02-0	0.0772	0.7169		7169
	Tin	7440-31-5	2.3343	21.6855		216855
	Silver	7440-22-4	0.0428	0.3975		3975
Sum in total:			10.7644	100.0000	100.0000	1000000

Note:

The substance content disclosed herewith is approximate and is based on engineering calculation. Statements are based on our present knowledge and may subject to change at any time due to technical requirements and development. EPC may update this document without notification. Statement may not include information regarding the minute quantities of dopant and metal materials in the electrical devices contained within the finished product.