



# Material Composition Declaration

## EPC2069

Company Name	Efficient Power Conversion (EPC)	Issue Date:	10/28/2022
Contact Name:	Yanping Ma	Contact Title:	VP Quality
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Part Weight:	14.7 mg	Type of Product:	eGaN FET

Construction Element	Substance	CAS No. If Applicable	Weight	Mass	Sum	Mass
			(mg)	(%)	(%)	(ppm)
Chip	Silicon	7440-21-3	12.2338	83.0272	86.0134	830272
	Silicon oxide	7631-86-9	0.0619	0.4199		4199
	Silicon nitride	12033-89-5	0.0183	0.1241		1241
	Gallium nitride	25617-97-4	0.0782	0.5305		5305
	Aluminum	7429-90-5	0.1278	0.8674		8674
	Aluminum nitride	24304-00-5	0.0189	0.1280		1280
	Titanium	7440-32-6	0.0042	0.0282		282
	Titanium nitride	25583-20-4	0.0153	0.1036		1036
	Copper	7440-50-8	0.0021	0.0145		145
	Tungsten	7440-33-7	0.0063	0.0428		428
	Polyimide		0.1071	0.7272	7272	
Under Bump Metal	Titanium	7440-32-6	0.0017	0.0113	0.1234	113
	Copper	7440-50-8	0.0165	0.1121		1121
Solder Bump	Copper	7440-50-8	0.1652	1.1209	13.8633	11209
	Nickel	7440-02-0	0.0985	0.6686		6686
	Tin	7440-31-5	1.7470	11.8564		118564
	Silver	7440-22-4	0.0320	0.2173		2173
Sum in total:			14.7347	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.