



Material Composition Declaration

EPC8002

Company Name	Efficient Power Conversion (EPC)	Issue Date:	5/4/2016
Contact Name:	Yanping Ma	Contact Title:	VP Quality
Contact Phone:	(310) 615-0283	Contact Email:	yanping.ma@epc-co.com
Part Weight:	3.1 mg	Type of Product:	eGaN FET

Construction Element	Substance	CAS No. If Applicable	Weight (mg)	Mass (%)	Sum (%)	Mass (ppm)
Chip	Silicon	7440-21-3	2.7393	88.95	91.17	889471
	Silicon oxide	7631-86-9	0.0108	0.35		3518
	Silicon nitride	12033-89-5	0.0033	0.11		1077
	Gallium nitride	25617-97-4	0.0129	0.42		4192
	Aluminum	7429-90-5	0.0193	0.63		6270
	Aluminum nitride	24304-00-5	0.0031	0.10		1010
	Titanium	7440-32-6	0.0005	0.02		156
	Titanium nitride	25583-20-4	0.0017	0.05		547
	Copper	7440-50-8	0.0006	0.02		208
	Tungsten	7440-33-7	0.0002	0.01		77
	Polyimide		0.0160	0.52		5205
Under Bump Metal	Titanium	7440-32-6	0.0004	0.01	1.09	129
	Nickel	7440-02-0	0.0118	0.38		3822
	Vanadium	7440-62-2	0.0000	0.00		0
	Copper	7440-50-8	0.0213	0.69		6920
Solder Bump	Tin	7440-31-5	0.2324	7.55	7.74	75461
	Silver	7440-22-4	0.0060	0.19		1935
	Copper	7440-50-8	0.0000	0.00		0
Sum in total:			3.1	100.00	100	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.