



# Material Composition Declaration

## EPC2215

Company Name	Efficient Power Conversion (EPC)	Issue Date:	8/19/2020
Contact Name:	Yanping Ma	Contact Title:	VP Quality
Contact Phone:	(310) 615-0283	Contact Email:	yanping.ma@epc-co.com
Part Weight:	10.6 mg	Type of Product:	eGaN FET

Construction Element	Substance	CAS No. If Applicable	Weight	Mass	Sum	Mass
			(mg)	(%)		
Chip	Silicon	7440-21-3	8.7079	82.1164	85.3927	821164
	Silicon oxide	7631-86-9	0.0310	0.2923		2923
	Silicon nitride	12033-89-5	0.0220	0.2076		2076
	Gallium nitride	25617-97-4	0.0591	0.5569		5569
	Aluminum	7429-90-5	0.1148	1.0826		10826
	Aluminum nitride	24304-00-5	0.0186	0.1754		1754
	Titanium	7440-32-6	0.0013	0.0121		121
	Titanium nitride	25583-20-4	0.0108	0.1021		1021
	Copper	7440-50-8	0.0038	0.0361		361
	Tungsten	7440-33-7	0.0028	0.0265		265
	Polyimide		0.0832	0.7848	7848	
Under Bump Metal	Titanium	7440-32-6	0.0008	0.0073	0.0293	73
	Nickel	7440-02-0	0.0000	0.0000		0
	Copper	7440-50-8	0.0023	0.0220		220
Solder Bump	Copper	7440-50-8	0.0774	0.7299	14.5779	7299
	Nickel	7440-02-0	0.0462	0.4354		4354
	Tin	7440-31-5	1.3967	13.1712		131712
	Silver	7440-22-4	0.0256	0.2414		2414
Sum in total:			10.6043	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.