

SPACE COMPONENTS NEWSLETTER

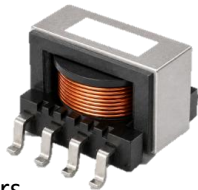
JULY 2026



NEWSPACE MAGNETICS

Flux provided several tens of thousands of NewSpace magnetics to cubesats and up to constellations.

- **Gate Drive Transformers**
 - 1-4 Outputs, common ratios
- **Current sense transformers**
 - Up to 20A, different ratios
- **Inductors**
 - Toroid + Planar SMD inductors
- **Common Mode Chokes**
 - SMD and Toroid chokes
- **Manufactured in accordance with IPC-A610 Class III**



FLUX



VPT ISOLATED DC/DC CONVERTERS

Radiation tolerant isolated DC/DC converter VSC family

- **Radiation:** TiD of 30krad, SEE of 42MeV-cm²/mg
- **Includes Undervoltage lockout and current limit protection**
- **Input voltage:** Unregulated 28V
- **Output voltages:** 3V3, 5V, ±5V, 12V, ±12V, 15V, ±15V
- **Output power:** 5W, 15W, 30W, 100W



VPT



RAD TOLERANT MOSFETS & DRIVER ICs

Designed for short to medium lifetime satellites, e.g. LEO missions

- **Radiation:** SEE & TiD tolerant, LET of 46MeV-cm²/mg
- **Qualified:** automotive standard AEC-Q101
- **Operating temperature:** -55°C to +175°C



infineon

Product Name	Package	Configuration	Isolation	UVLO On / Off		Output Current		TiD (krad)	T _{opo} (°C)	T _{sol} (°C)
BDP1CG15NB-01	TO-252-3	Single Low-Side	Non-Isolated	8V / 7V		-8A / +4A		up to 30 kRad(Si)	-40 - 150	260
Product Name	Package	Channel	TiD (krad)	BV _{DSS} (V)	Q _G (nC)	R _{DS(on)} @25°C (mΩ)	I _{DC} @25°C (A)	I _{dpuls} (A)	Power diss (W)	Gate Voltage
BUP06CP045F-02	TO-252-3	P	50	-60	65	45	-35	-140	125	+/- 20
BUP06CP038F-01	TO-252-3	P	30	-60	63	38	-35	-140	125	+/- 20
BUP06CN015E-01	TO-247-3	N	30	60	76	15	106	417	390	+/- 20
BUP15CN027E-01	TO-247-3	N	30	150	80	27	98	294	390	+/- 20
BUP06CN035L-01	TO-263-3	N	30	60	26	35	52	162	150	+/- 20
BUP15CN060L-01	TO-263-3	N	30	150	28.3	60	35	111	150	+/- 20
BUP03CP008C-01	PG-TDSON-8	P	30	-30	61	8	-100	-200	83	+/- 20
BUP03CP010C-02	PG-TDSON-8	P	50	-30	61	10	-100	-200	83	+/- 20

EUROPE'S LEADING DISTRIBUTOR FOR HIGHREL COMPONENTS

[unsubscribe](#)