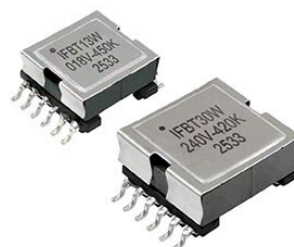


Vishay Expands Power Transformer Portfolio With New IFBT Series for Flyback Converter Topologies; Customizable Flyback Transformers Support Wide 26 V to 72 V Input Range and High Isolation of 1500 V_{RMS} for 60 s

Product Benefits:

- Customizable
- Designed to operate with a wide 26 V to 72 V input voltage range at 250 kHz
- High isolation of 1500 V_{RMS} for 60 s from primary and bias windings to secondary
- Output voltages from 1.8 V to 24 V
- Output currents from 0.5 A to 9.0 A
- Inductance values from 35.0 μ H to 75.0 μ H
- Operate over a temperature range of -40 °C to +125 °C
- RoHS-compliant



Market Applications:

- Flyback transformers for 6 W and 30 W PoE designs, and isolated DC/DC converters up to 30 W
- Automotive lighting LED driver transformers; energy generation, distribution, and management systems; industrial drives, tools, and automation systems; home and building controls; consumer devices; white goods; telecom equipment; and medical instrumentation

The News:

Vishay Intertechnology announces that it has expanded its power transformer line with a new series designed for flyback converter topologies. Featuring 17 devices, the Vishay Dale IFBT series of customizable, surface-mount flyback transformers is designed to operate with a wide 26 V to 72 V input voltage range at 250 kHz while providing high isolation of 1500 V_{RMS} for 60 s from primary and bias windings to secondary.

- The devices feature multiple windings, allowing for combinations of series and parallel connections to support different voltage and current handling configurations
- The flyback transformers' open construction allows for easy modification of the windings to meet specific customer requirements

The Key Specifications:

Part #	Ind. ± 10 % (μ H)	L _k ind. (μ H)	DCR max. (Ω)			Turns ratio		I _{pk} max. (A)	Output (V / A)
			Pri	Sec	Bias	Pri:sec	Pri:bias / aux		
IFBT0709ZIFS061R80	75.0	8.40	0.195	0.005	0.195	1:0.07	1:0.36	1.3	1.8 / 3.3
IFBT0709ZIFS062R50	55.0	4.80	0.095	0.005	0.150	1:0.08	1:0.33	1.2	2.5 / 2.4
IFBT0709ZIFS063R30	65.0	4.00	0.138	0.007	0.180	1:0.11	1:0.36	1.2	3.3 / 1.8
IFBT0709ZIFS065R00	60.0	2.45	0.130	0.009	0.165	1:0.15	1:0.36	1.1	5.0 / 1.2



NEW PRODUCT INFORMATION



Product Group: Vishay Dale, Inductors / August 2026

IFBT0709ZIFS061200	50.0	0.76	0.095	0.017	0.150	1:0.15	1:0.35	1.1	12 / 0.5
IFBT0709ZIFS131R80	45.0	8.00	0.195	0.005	0.195	1:0.07	1:0.36	2.3	1.8 / 7.2
IFBT0709ZIFS132R50	35.0	4.40	0.095	0.005	0.150	1:0.08	1:0.33	2.2	2.5 / 5.2
IFBT0709ZIFS133R30	40.0	3.50	0.138	0.007	0.180	1:0.11	1:0.36	2.2	3.3 / 3.9
IFBT0709ZIFS135R00	40.0	2.00	0.130	0.009	0.165	1:0.15	1:0.35	2.1	5.0 / 2.6
IFBT0709ZIFS131200	35.0	0.65	0.095	0.017	0.150	1:0.35	1:0.35	2.0	12 / 1.1
IFBT0709ZIFS132000	37.0	0.43	0.085	0.025	0.150	1:0.57	1:0.35	2.0	19.5 / 0.67
IFBT0709ZIFS132400	37.0	0.43	0.086	0.049	0.150	1:0.57	1:0.33	2.0	24 / 0.54
IFBT0912ABFS303R30	42.0	3.15	0.072	0.003	0.235	1:0.09	1:0.33	2.6	3.3 / 9.0
IFBT0912ABFS305R00	42.0	1.70	0.071	0.006	0.240	1:0.14	1:0.33	2.6	5.0 / 6.0
IFBT0912ABFS301200	42.0	0.56	0.063	0.017	0.205	1:0.33	1:0.33	2.6	12 / 2.5
IFBT0912ABFS302000	42.0	0.44	0.062	0.038	0.205	1:0.56	1:0.33	2.6	19.5 / 1.5
IFBT0912ABFS302400	42.0	0.33	0.062	0.057	0.205	1:0.67	1:0.33	2.6	24 / 1.25

Availability:

Samples and production quantities of the IFBT series are available now, with lead times of 10 to 12 weeks.

To access the product datasheet on the Vishay Website, go to

<http://www.vishay.com/ppg?34696> (IFBT)

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