

JETDi – DC/DC converters in metal cases without mounting holes DIP24, 1"x 1", 2"x 1", quarter BRICK

Nominal output power, W	Units	Case	Dimensions, mm	Maximal output current, A	Output voltage, VDC	Typical efficiency, %	Power density, W/In ³	Number of outputs	Input 12 (10.2...15 VDC), transient 18 VDC/1 sec	Input 12W (10.2...30 VDC), transient 36 VDC/1 sec	Input 24 (20...30 VDC), transient 36 VDC/1 sec	Input 24W (20...60 VDC), transient 80 VDC/1 sec	Input 27 (20...40 VDC), transient 80 V/1 sec	Input 27W (15...50 VDC), transient 80 VDC/1 sec	Input 48 (36...75 VDC), transient 80 VDC/1 sec	Operating temperature range of case -40...+110°C ¹	Isolation input/output, kVDC	Remote On/Off	Trimmer	Standard EMC EN55022	
																				Class B	Class A
10 15 20	JETDi10 JETDi15 JETDi20	DIP 24	32x21x10	2 4 6	3...60	90	49	1,2	•	•	•	•	•	•	•	•	=1 .5	•	•	With filter JETDF2.5	•
15 20 30	JETDi15 JETDi20 JETDi30	1"x 1"	26x26x10	3 4 6	3...60	90	73	1,2	•	•	•	•	•	•	•	•	=1 .5	•	•	With filter JETDF2.5	•
40 50 60	JETDi40 JETDi50 JETDi60	2"x 1"	51x26x10	8 10 12	3...60	90	74	1,2	•	•	•	•	•	•	•	•	=1 .5	•	•	With filter JETDF5	•
80 100 120	JETDi80 JETDi100 JETDi120	quarter BRICK	58x37x11	16 20 20	3...60	90	83	1	•	•	•	•	•	•	•	•	=1 .5	•	•	With filter JETDF10	•

Notes:

• - available

1 – for special request -60 °C...+130 °C

JETDiR – DC/DC converters in reinforced metal cases with mounting holes, available LP version (low profile)

Nominal output power, W	Units	Case	Dimensions, mm Standard / low profile version	Maximal output current, A	Output voltage, VDC	Typical efficiency, %	Power density, W/in ³	Number of outputs	Input 12 (10.2...15 VDC), transient 18 VDC/1 sec	Input 12W (10.2...30 VDC), transient 36 VDC/1 sec	Input 24 (20...30 VDC), transient 36 VDC/1 sec	Input 24W (20...60 VDC), transient 80 VDC/1 sec	Input 27 (20...40 VDC), transient 80 V/1 sec	Input 27W (15...50 VDC), transient 80 VDC/1 sec	Input 48 (36...75 VDC), transient 80 VDC/1 sec	Operating temperature range of case -40...+110°C ¹	Isolation input/output, kVDC	Remote On/Off	Trimmer	Standard EMC EN55022	
																				Class B	Class A
15 20	JETDi15R JETDi20R	DIP 24	32x21x10/ 32x21x 8.5	3 4	3...60	90	49	1	•	•	•	•	•	•	•	•	=1.5	•	•	With filter JETDF2.5	•
20 30	JETDi20R JETDi30R	1"x 1"	26x26x10/ 26x26x 9	4 6	3...60	90	73	1	•	•	•	•	•	•	•	•	=1.5	•	•	With filter JETDF2.5	•
50 60	JETDi50R JETDi60R	2"x 1"	51x26x10/ 51x26x 8	10 12	3...60	90	74	1	•	•	•	•	•	•	•	•	=1.5	•	•	With filter JETDF5	•
100 120	JETDi100R JETDi120R	quarter BRICK	58x37x13/ 58x37x 9	20 20	3...60	90	83	1	•	•	•	•	•	•	•	•	=1.5	•	•	With filter JETDF10	•

Notes:

• - available

1 – for special request -60 °C...+130 °C

Replacement for units previous generation: JETND30...JETND120, JETD25...JETD100.

JETDiR – DC/DC converters in reinforced metal cases with mounting holes and orthogonal/axial pins

Nominal output power, W	Units	Case	Dimensions, mm	Maximal output current, A	Output voltage, VDC	Typical efficiency, %	Power density, W/in ³	Number of outputs	Input 24 (20...30 VDC), transient 36 VDC/1 sec	Input 24W (20...60 VDC), transient 80 VDC/1 sec	Input 27 (20...40 VDC), transient 80 V/1 sec	Input 27W (15...50 VDC), transient 80 VDC/1 sec	Input 48 (36...75 VDC), transient 80 VDC/1 sec	Operating temperature range of case -40...+110°C ¹	Isolation input/output, kVDC	Remote On/Off	Trimmer	External feedback	Parallel operation	Standard EMC EN55022	
																				Class B	Class A
200 250	JETDi200R JETDi250R	half BRICK	61x59x13	40 40	5...60	92	88	1	•	*	•	*	•	•	=1.5	•	•	•	•	With filter JETDF20	•
400 600	JETDi400R JETDi600R	full BRICK	117x61x13	33 50	12...60	92	106	1	•	*	•	*	•	•	=1.5	•	•	•	•	With filter	•

Notes:

• - available

* - on request

1 – for special request -60 °C...+130 °C

Replacement for units previous generation: JETND250...JETND600, JETD250...JETD400

TESND - DC/DC converters in metal cases with mounting, available LP version (low profile)

Nominal output power, W	Units	Case	Dimensions, mm Standard / low profile version	Maximal output current, A	Output voltage, VDC	Typical efficiency, %	Power density, W/In ³	Number of outputs	Input 12 (10.2...15 VDC), transient 18 VDC/1 sec	Input 12W (10.2...30 VDC), transient 36 VDC/1 sec	Input 24 (20...30 VDC), transient 36 VDC/1 sec	Input 24W (20...60 VDC), transient 80 VDC/1 sec	Input 27 (20...40 VDC), transient 80 V/1 sec	Input 27W (15...50 VDC), transient 80 VDC/1 sec	Input 48 (36...75 VDC), transient 80 VDC/1 sec	Operating temperature range of case -40...+110°C ¹	Isolation input/output, kVDC	Remote On/Off	Trimmer	Standard EMC EN55022		
																				Class B	Class A	
10 15 20	TESND10 TESND15 TESND20	F1	30x20x10/ 30x20x8,5	2 3 4	3...60	88	54	1,2	•	•	•	•	•	•	•	•	•	=1.5	•	•	With filter JETDF2.5	•
30 40	TESND30 TESND40	F2	40x30x11/ 40x30x9	6 8	3...60	88	49	1,2	•	•	•	•	•	•	•	•	•	=1.5	•	•	With filter JETDF5	•
50 60	TESND50 TESND60	F3	48x33x11/ 48x33x8	10 12	3...60	90	56	1,2	•	•	•	•	•	•	•	•	•	=1.5	•	•	With filter JETDF10	•
80 100 120	TESND80 TESND100 TESND120	F4	58x40x11/ 58x40x9	16 20 20	3...60	90	77	1	•	•	•	•	•	•	•	•	•	=1.5	•	•	With filter JETDF20	•

Notes:

• - available

1 – for special request -60 °C...+130 °C

Replacement for units previous generation: TESND20...TESND80, TESD10...TESD60 (pin-to-pin)

High-powered and compact TESND – DC/DC converters in metal cases with mounting flanges

Nominal output power, W	Units	Case	Dimensions, mm	Maximal output current, A	Output voltage, VDC	Typical efficiency, %`	Power density, W/in ³	Number of outputs	Input 24 (20...30 VDC), transient 36 VDC/1 sec	Input 24W (20...60 VDC), transient 80 VDC/1 sec	Input 27 (20...40 VDC), transient 80 V/1 sec	Input 27W (15...50 VDC), transient 80 VDC/1 sec	Input 48 (36...75 VDC), transient 80 VDC/1 sec	Operating temperature range of case -40...+110°C ¹	Isolation input/output, kVDC	Remote On/Off	Trimmer	External feedback	Parallel operation	Standard EMC EN55022	
																				Class B	Class A
200 250	TESND200 TESND250	F5	73x53x13	40 40	5...60	92	82	1	•	*	•	*	•	•	=1.5	•	•	•	•	With filter JETDF20	•
500 600	TESND500 TESND600	F6	95x68x13	41.7 50	12...60	92	117	1	•	*	•	*	•	•	=1.5	•	•	•	•	With filter	•
1000 1200	TESND1000 TESND1200	F7	110x84x15	53.3 80	15...60	92	142	1	•	*	•	*	•	•	=1.5	•	•	•	•	With filter	•

Notes:

• - Available

* - on request

1 – for special request -60 °C...+130 °C

Replacement for units previous generation: TESND200...TESND600, TESD100...TESD500 (pin-to-pin)

TESD - DC/ DC converters in low-profile metal cases with mounting flanges for current projects, low-cost replacement for the popular units on Russia/CIS market

Nominal output power, W	Units	Case	Dimensions, mm	Maximal output current, A	Output voltage, VDC	Typical efficiency, %`	Power density, W/ln ³	Number of outputs	Input 12 (10.2...15 VDC), transient 18 VDC/1 sec	Input 12W (10.2...30 VDC), transient 36 VDC/1 sec	Input 24 (20...30 VDC), transient 36 VDC/1 sec	Input 24W (20...60 VDC), transient 80 VDC/1 sec	Input 27 (20...40 VDC), transient 80 V/1 sec	Input 27W (15...50 VDC), transient 80 VDC/1 sec	Input 48 (36...75 VDC), transient 80 VDC/1 sec	Operating temperature range of case -40...+110°C ¹	Isolation input/output, kVDC	Remote On/Off	Trimmer	External feedback	Parallel operation	Standard EMC EN55022	
																						Class B	Class A
10	TESD10	F1	30x20x10	2	5...60	88	27	1,2	•	•	•	•	•	•	•	•	=1.5	•	•			With filter JETDF2.5	•
15	TESD15	F2	40x30x11	3	5...60	88	19	1,2	•	•	•	•	•	•	•	•	=1.5	•	•			With filter JETDF5	•
30	TESD30	F3	48x33x11	6	5...60	90	28	1,2	•	•	•	•	•	•	•	•	=1.5	•	•			With filter JETDF10	•
60	TESD60	F4	58x40x11	12	5...60	90	37	1,2	•	•	•	•	•	•	•	•	=1.5	•	•			With filter JETDF10	•
100	TESD100	F5	73x53x13	16	5...60	92	33	1	•	•	•	•	•	•	•	•	=1.5	•	•			With filter JETDF20	•
200	TESD200	F6	95x68x13	16	12...60	92	39	1	*	*	•	*	•	*	•	•	=1.5	•	•	•	•	With filter JETDF20	•
500	TESD500	F7	110x84x15	40	12...60	92	59	1			•	*	•	*	•	•	=1.5	•	•	•	•	With filter	•
1000	TESD1000	F8	168x110x16	40	24...60	90	55	1			•	*	•	*	•	•	=1.5	•	•	•	•	With filter	•

Notes:

• - Available

* - on request

1 – for special request -60 °C...+130 °C

TESAV – DC/DC converters in metal cases with flanges with built-in rectifier for creating AC/DC power supplies with ultra-wide temperature range or/and DC/DC converters with alternative inputs of double purpose (AC or DC or AC & DC)

Nominal output power, W	Units	Case	Dimensions, mm	Maximal output current, A	Output voltage, VDC	Typical efficiency, %	Power density, W/ln ³	Number of outputs	Input 115 (80...140 VAC, 82...198 VDC)	Input 230 (176...242 VDC, 175...350 VDC)	Вход 150W (=110...375 VDC)	Operating temperature range of case - 40...+110°C ¹	Isolation input/output, kVAC	Remote On/Off	Galvanic isolation between outputs	Trimmer	External feedback	Parallel operation	Standard EMC EN55022	
																			Class B	Class A
50	TESH50	F5	73x53x13	10	5...60	86	16	1,2	•	•	•	•	3.0	•	•	•			With filter	•
100	TESH100	F6	95x68x13	17	12...60	89	20	1	•	•	•	•	3.0	•		•			With filter	•
200	TESH200	F6	95x68x13	17	12...60	89	39	1	•	•	•	•	3.0	•		•	•	•	With filter	•
500	TESH500	F7	110x84x15	34	12...60	91	59	1	•	•	•	•	3.0	•		•	•	•	With filter	•
1000	TESH1000	F8	168x110x16	42	24...60	92	56	1	•	•		•	3.0	•		•	•	•	With filter	•

Notes:

• - available

1 – for special request -50 °C...+85 °C

JETA – single-phase AC/DC power supplies with PFC (from 300 W) in metal cases flanges for current projects with high power density

Nominal output power, W	Units	Case	Dimensions, mm	Maximal output current, A	Output voltage, VDC	Typical efficiency, %	Power density, W/In ³	Power Factor Correction (PFC)	Number of outputs	Input voltage 115 (80...140) VAC	Input voltage 230 (176...242) VAC	Input voltage 230W (100...242) VAC	Operating temperature range of case -40...+85°C ¹	Isolation input/output, kVAC	Remote On/Off	Galvanic isolation between outputs	Trimmer	External feedback	Parallel operating	DIN-rail (option)	Additional options (see datasheet)	Standard EMC EN55022		
																						Class B	Class A	
60	JETA60	4"x 2"	101x51x18.3	12	5...60	85	10	0.68	1,2	•	•	•	•	3.0		•						•		
120	JETA120	4.5"x 2.5"	111x61x21	24	5...60	85	14	0.67	1,2	•	•	•	•	3.0		•						•		
300	JETA300	5.5"x 3.5"	134x84x27.5	30	9...60	85	16	•	1,2		•	•	•	3.0	•	•	•					•	With filter JETA5	•
700	JETA700	7"x 4"	175x93x28.6	50	12...60	88	25	•	1		•	•	•	3.0	•	•	•	•	•		•	With filter JETA10	•	
1200	JETA1200	8"x 5"	211x117x38.1	80	15...60	88	21	•	1		•	•	•	3.0	•	•	•	•			•	With filter JETA10	•	
2000	JETA2000	10"x 6"	250x140x39	100	15...60	88	24	•	1		•	•	•	3.0	•	•	•	•			•	With filter JETA20	•	

Notes:

• - available

1 – for special request -50 °C...+85 °C

2 – on request available output voltage up to 400 VDC

Replacement for units previous generation: TESA50...TESA2000

JETA-LP – single-phase AC/DC power supplies with PFC (from 250 W) in low-profile metal cases (LP) with high power density

Nominal output power, W	Units	Case	Dimensions, mm	Maximal output current, A	Output voltage, VDC	Typical efficiency, %	Power density, W/in ³	Power Factor Correction (PFC)	Number of outputs	Input voltage 115 (80...140) VAC	Input voltage 230 (176...242) VAC	Input voltage 230W (100...242) VAC	Operating temperature range of case -40...+85°C ¹	Isolation input/output, kVAC	Remote On/Off	Galvanic isolation between outputs	Trimmer	External feedback	Parallel operation	DIN-rail (option)	Additional options (see datasheet)	Standard EMC EN55022	
																						Class B	Class A
100	JETA100-LP	4"x 2"	101x51x18	16	5...60	90	17	0,68	1,2	•	•	•	•	3.0		•				•		•	
150	JETA150-LP	4.5"x 2.5"	111x61x19	24	5...60	90	17	0,67	1,2	•	•	•	•	3.0		•				•		•	
250	JETA250-LP	5.5"x 3.5"	134x84x26	30	9...60	92	13	•	1,2		•	•	•	3.0	•	•	•			•		With filter JETAF5	•
600	JETA600-LP	7"x 4"	175x93x28	50	12...60	92	21	•	1		•	•	•	3.0	•	•	•	•	•	•		With filter JETAF10	•
1000	JETA1000-LP	8"x 5"	211x117x34	80	15...60	92	18	•	1		•	•	•	3.0	•		•	•	•		•	With filter JETAF10	•
1500	JETA1500-LP	10"x 6"	250x140x36	100	15...60	92	18	•	1		•	•	•	3.0	•		•	•	•		•	With filter JETAF20	•

Notes:

• - available

1 – for special request -50 °C...+85 °C

2 – on request available output voltage up to 400 VDC

Replacement for units previous generation: JETA50... JETA 2000 with maintaining overall dimensions

JETAs – single-phase AC/DC power supplies in simple low-profile metal cases (without PFC)

Nominal output power, W	Units	Case	Dimensions, mm	Maximal output current, A	Output voltage, VDC	Typical efficiency, %	Power density, W/ln ³	Number of outputs	Input voltage 115 (80...140) VAC	Input voltage 230 (176...242) VAC	Operating temperature range of case -40...+85°C ¹	Isolation input/output, kVAC	Remote On/Off	Galvanic isolation between outputs	Trimmer	External feedback	Parallel operation	DIN-rail (option)	Additional options (see datasheet)	Standard EMC EN55022	
																				Class B	Class A
100	JETAs100	4.5"x 2.5"	111x61x20	20	5...60	89	11	1,2	•	•	•	3.0		•				•		With filter JETAF5	•
200	JETAs200	5.5"x 3.5"	134x84x28	30	5...60	89	11	1,2	•	•	•	3.0		•				•		With filter JETAF5	•
400	JETAs400	7"x 4"	175x94x31	33	12...60	90	14	1,2	•	•	•	3.0	•	•	•			•		With filter JETAF10	•
800	JETAs800	8"x 5"	211x117x36	50	12...60	90	14	1,2	•	•	•	3.0	•	•	•	•	•	•	•	With filter JETAF20	•

Notes:

• - available

JETNA-LP – three-phase AC/DC power supplies in low-profile metal cases with high power density and ultra-wide temperature range

Nominal output power, W	Units	Case	Dimensions, mm	Maximal output current, A	Output voltage, VDC	Typical efficiency, %	Power density, W/in ³	Power Factor Correction (PFC)	Number of outputs	Input 220 (187...253 VAC,) 3 ph.	Input 400 (323...423 VAC,) 3 ph.	Operating temperature range of case -40...+85 °C ¹	Isolation input/output, kVAC	Remote On/Off	Trimmer	External feedback	Parallel operation	Additional output for fan	External trimmer Uout	Additional output AUX (see DS)	Power Good	Standard EMC EN55022		
																						Class B	Class A	
1000	JETNA1000-LP	7"x 4"	175x93x 28	60	12...60	91	36	0,92	1	•	•	•	3.0	•	•	•	•	•	•	•	•	•	With filter JETAF15	•
2000	JETNA2000-LP	8"x 5"	211x117x 34	100	15...60	91	39	0,92	1	•	•	•	3.0	•	•	•	•	•	•	•	•	•	With filter JETAF15	•
3000	JETNA3000-LP	10"x 6"	250x140x 36	125	24...60	92	39	0,92	1	•	•	•	3.0	•	•	•	•	•	•	•	•	•	With filter JETAF15	•
5000	JETNA5000-LP	12"x 7"	300x170x 38	200	24...60	92	42	0,92	1	•	•	•	3.0	•	•	•	•	•	•	•	•	•	With filter	•

Notes:

• - available

1 – for special request -50 °C...+85 °C

2 – on request available output voltage up to 400 VDC

Replacement for units: JETNA1000...JETNA5000

TESAV – DC/DC converters in metal cases with flanges with built-in rectifier for creating AC/DC power supplies with ultra-wide temperature range or/and DC/DC converters with alternative inputs of double purpose (AC or DC or AC & DC)

Nominal output power, W	Units	Case	Dimensions, mm	Maximal output current, A	Output voltage, VDC	Typical efficiency, %	Power density, W/ln ³	Number of outputs	Input 36 (25...53 VAC, 36...75 VDC)	Input 115 (80...140 VAC, 82...198 VDC)	Input voltage 230 (176...242 VAC, 175...350 VDC)	Bx0Д, 150W (=110...375 VAC)	Operating temperature range of case - 40...+110°C ¹	Isolation input/output, kVAC	Remote On/Off	Galvanic isolation between outputs	Trimmer	External feedback	Parallel operation	Standard EMC EN55022	
																				Class B	Class A
50	TESAV50	F5	73x53x13	10	5...60	86	16	1,2	•	•	•	•	•	3.0	•	•	•			With filter	•
100	TESAV100	F6	95x68x13	17	12...60	89	20	1	•	•	•	•	•	3.0	•		•			With filter	•
200	TESAV200	F6	95x68x13	17	12...60	89	39	1	•	•	•	•	•	3.0	•		•	•	•	With filter	•
500	TESAV500	F7	110x84x15	34	12...60	91	59	1	•	•	•	•	•	3.0	•		•	•	•	With filter	•
1000	TESAV1000	F8	168x110x16	42	24...60	92	56	1		•	•		•	3.0	•		•	•	•	With filter	•

Notes:

• - available

2 – for special request -50 °C...+85 °C

Replacement for units: TESH50...TESH1000

TESZ – DC/DC converters DC/DC Converters for railway applications (standard RIA12)

Nominal output power, W	Units	Case	Dimensions, mm	Maximal output current, A	Output voltage, VDC	Typical efficiency, %`	Power density, W/in ³	Number of outputs	Input 72Z (43...108 VDC)	Input 96Z (57...144 VDC)	Input 110Z (66...165 VDC)	Рабочая температура корпуса -40...+110°C	Isolation input/output, kVAC	Remote On/Off	Trimmer	External feedback	Parallel operation	Standard EMC EN55022	
																		Class B	Class A
100	TESZ100	F6	95x68x13	9	12...60	85	20	1	•	•	•	•	1.5	•	•			With filter	•
200	TESZ200	F7	110x84x15	17	12...60	85	24	1	•	•	•	•	1.5	•	•	•	•	With filter	•
500	TESZ500	F8	168x110x16	34	12...60	85	28	1	•	•	•	•	1.5	•	•	•	•	With filter	•

Notes:

- - available

JETAF – AC filters

Nominal current, A	Type	Case	Dimensions without flanges, mm	Input voltage 115 (80...140 VAC)	Input voltage 230 (176...242 VAC)	Input voltage 230W (100...242 VAC)	Input voltage 400 (323...423 VAC), 3 ph.)	Operating temperature range of case -60...+125°C	Operating temperature range of case -50...+85°C	Isolation input/case, output/case, VAC	Insertion loss
1	JETAF1	AF1	58x40x10	•	•	•		•		1500	20...55 dB (see datasheet)
5	JETAF5	A1	101x51x20	•	•	•			•	1500	20...55 dB (see datasheet)
10	JETAF10	A2	111x61x24	•	•	•			•	1500	20...55 dB (see datasheet)
20	JETAF20	A3	134x84x28	•	•	•			•	1500	20...55 dB (see datasheet)
15	JETAF15-380	A4	134x84x28				•		•	1500	20...55 dB (see datasheet)

Notes:

• - available

Replacement for units: TEFA1...TEFA20

JETDF – DC filters

Nominal current, A	Type	Case	Dimensions without flanges, mm	Input voltage 12W (10.5...36 VDC)	Input voltage 24W (18...72 VDC)	Operating temperature range of case -60...+125°C	Isolation input/case, output/case, VAC	Insertion loss
2,5	JETDF2.5	F1	30x20x10	•	•	•	500	15...55 dB (see datasheet)
5	JETDF5	F2	40x30x10	•	•	•	500	15...55 dB (see datasheet)
10	JETDF10	F3	48x33x10	•	•	•	500	15...55 dB (see datasheet)
20	JETDF20	F4	58x40x10	•	•	•	500	15...55 dB (see datasheet)

Notes:

- - available

Replacement for units: TEFD2.5...TEFD20