



**AC-DC Converter • DC-DC Converter • Isolation Transmitter
IGBT Driver • LED Driver • EMC Auxiliary Device**

Selection Guide 2016

More information, please visit:

www.mornsun-power.com



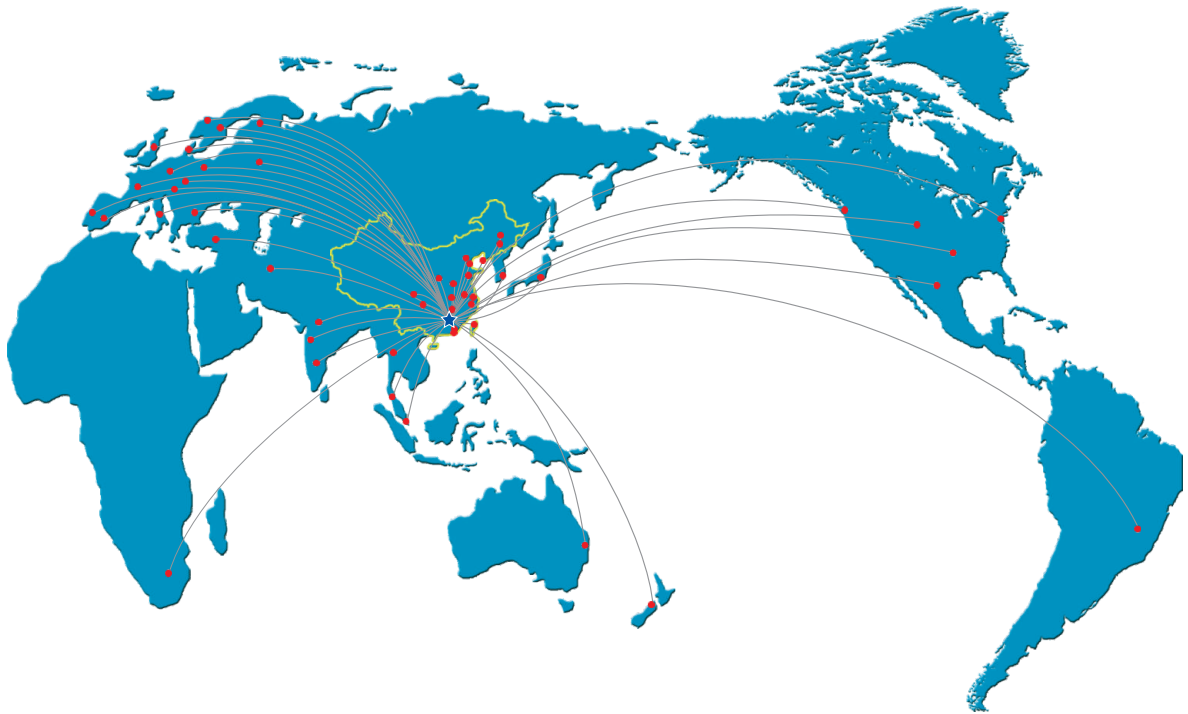
MORNSUN Power

No.5, Kehui St.1, Kehui Development Center, Science Ave.,
Guangzhou Science City, Luogang District, Guangzhou
Tel: +86(20)38601850 Fax: +86(20)38601272
E-mail: info@mornsun.cn

MORNSUN America, LLC

Add: 13 Country Club Lane, Suite C, Milford, MA 01757
Tel: +1(978) 567 9610 / 293 3923
E-mail: sales@mornsunamerica.com
Website: www.mornsunamerica.com

Distributions & Channels



China



Hong Kong



Australia



Austria



Benelux



Brazil



Bulgaria



Czech Republic



Denmark



Finland



France



Germany



India



Iran



Israel



Italy



Japan



Korea



Malaysia



New Zealand



Norway



Poland



Portugal



Russia



Singapore



South Africa



Spain



Sweden



Switzerland



Thailand



Turkey



United Kingdom



United States



Mexico



Canada

- Established: 1998
- Employee: 1700+
- Information Management: ERP & CRM & OA & PDM
- Certification: ISO9001:2008, TS16949, ISO14001, OHSMS18001
- Factory: 45000+ square meters
- Patent: 300+
- Registered Capital: USD \$30+ million
- Business Coverage: Global



Headquarter in Guangzhou



Manufacturing Center in Guangzhou



Manufacturing Center in Huaihua



R&D Center in Guangzhou

Product Range

- Power Range: 0.25W~240W
- Isolation Voltage: 1000VDC~12000VDC / 2000VAC~4000VAC
- Input Voltage Range: DC: 3.3~1400VDC AC: 30~528VAC
- Package: SIP, DIP, SMD, Wire lead, Open frame, Chassis mounting, DIN-Rail mounting

Applications



Industrial



Power Grid



Communication



Transportation



Lighting



Medical



IOT(Internet of Things)



Fire & Security

Certifications



Excellent Technology

- Automatic welding machine
- Intelligent burn-in system
- Reliability laboratory
- Laser marking system
- Reflow soldering equipment
- X fluorescence RoHS tester
- EMC testing system
- Multiaxial automatic winding machine
- SMT AOI



Automatic TE workshop



Automatic SMT clean room

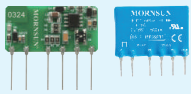
AC-DC Converter



- Target for new energy, electric power industry, smart grid, instrumentation application
- Cost effective, high reliability, high efficiency, high isolation
- Low power consumption, low ripple & noise
- SIP, DIP, open frame, chassis mounting, DIN-Rail mounting
- EMC meets EN55022 & IEC61000
- Multiple protection: over-current, over-voltage, and short-circuit protection
- RoHS, CB, CE, UL certified

LS Series, 1~5W

SIP Package



Series	Power	Input Voltage	Output Voltage (VDC)	Isolation	Certification
LS01-15B_SS	1W	85~264VAC/70~400VDC	5, 9, 12, 15, 24	3000VAC	RoHS CE
LS03-15B_SR2S(-F)	3W	85~264VAC/70~400VDC	3.3, 5, 9, 12, 15, 24	3000VAC	RoHS UL CE CB
LS03-16B_SS	3W	85~528VAC/100~745VDC	5, 12, 24	3000VAC	RoHS UL CE
LS05-15B_SS	5W	85~264VAC/100~400VDC	3.3, 5, 9, 12, 15, 24	3000VAC	RoHS UL CE CB

LD Series, 3~20W



Series	Power	Input Voltage	Output Voltage (VDC)	Isolation	Certification
LD03-10B_R2	3W	85~264VAC/100~370VDC	3.3, 5, 9, 12, 15, 24	3000VAC	RoHS UL CE CB
LD05-20B_MU	5W	85~264VAC/100~370VDC	5, 12, 15, 24	4000VAC	RoHS UL CE
LD05-20B	5W	85~264VAC/100~370VDC	3.3, 5, 9, 12, 15, 24	4000VAC	RoHS UL CE CB
LD05-23B	5W	85~305VAC/100~430VDC	3.3, 5, 9, 12, 15, 24	4000VAC	RoHS UL CE CB
LD10-20B	10W	85~264VAC/100~370VDC	3.3, 5, 9, 12, 15, 24	4000VAC	RoHS UL CE CB
LD12-20B	12W	85~264VAC/100~370VDC	3.3, 5, 12, 15, 24	4000VAC	RoHS UL CE
LD20-10B	20W	85~264VAC/100~370VDC	3.3, 5, 12, 15, 24	3000VAC	RoHS UL CE

LH Series, 5~60W



Series	Power	Input Voltage	Output Voltage (VDC)	Isolation	Certification
LH05-10B	5W	85~264VAC/100~370VDC	3.3, 5, 9, 12, 15, 24	3000VAC	RoHS UL CE
LH05-13B	5W	85~305VAC/100~430VDC	3.3, 5, 9, 12, 15, 24	3000VAC	RoHS UL CE CB
LH10-10B	10W	85~264VAC/100~370VDC	3.3, 5, 9, 12, 15, 24	3000VAC	RoHS UL CE CB
LH10-13B	10W	85~305VAC/100~430VDC	3.3, 5, 9, 12, 15, 24	3000VAC	RoHS UL CE CB
LH15-10B	15W	85~264VAC/100~370VDC	3.3, 5, 9, 12, 15, 24	3000VAC	RoHS UL CE CB
LH15-13B	15W	85~305VAC/100~430VDC	3.3, 5, 9, 12, 15, 24, 48	3000VAC	RoHS UL CE CB
LH20-10B	20W	85~264VAC/100~370VDC	3.3, 5, 9, 12, 15, 24	3000VAC	RoHS UL CE CB
LH20-13B	20W	85~305VAC/100~430VDC	3.3, 5, 9, 12, 15, 24	3000VAC	RoHS UL CE CB
LH25-10B	25W	85~264VAC/100~370VDC	3.3, 5, 9, 12, 15, 24, 48	3000VAC	RoHS UL CE CB
LH25-13B	25W	85~305VAC/100~430VDC	3.3, 5, 9, 12, 15, 24, 48	3000VAC	RoHS UL CE CB
LH40-10B	40W	85~264VAC/100~370VDC	3.3, 5, 9, 12, 15, 24	3000VAC	RoHS UL CE
LH60-20B	60W	90~264VAC/122~370VDC	5, 9, 12, 15, 24, 48	4000VAC	RoHS UL CE

LI Series, 120/240W



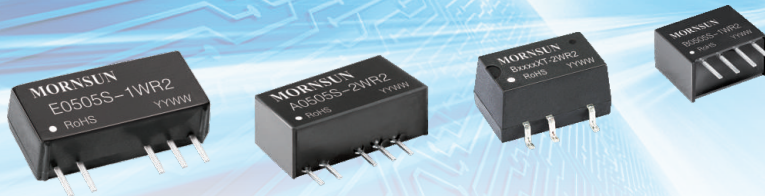
Series	Power	Input Voltage	Output Voltage (VDC)	Isolation	Certification
LI120-10B	120W	85~264VAC/120~370VDC	24	3000VAC	RoHS UL CE CB
LI240-10B	240W	85~264VAC/120~370VDC	24	3000VAC	RoHS UL CE CB

Special for Electric Power Industry



Series	Power	Input Voltage	Output Voltage (VDC)	Isolation	Certification
LM30-00J	30W	85~264VAC/100~370VDC	5±12/24	2000VAC	RoHS

DC-DC Converter



- $\pm 5\%$, $\pm 10\%$ input voltage tolerance
- Operating temperature up to 105°C
- High isolation up to 6000VDC
- Low ripple & noise
- Continuous short-circuit protection
except B/F_XT-2WR2
- RoHS, CE, UL certified

Fixed Input Voltage, Isolated & Unregulated Output Series

SMD Package	Series	Power	Input Voltage (VDC)	Output Voltage (VDC)	Isolation	Package	Certification
	A_S-1WR2	1W	5, 12, 15, 24	$\pm 5, \pm 12, \pm 15$	1500VDC	SIP	RoHS CE
	B_LS-1WR2	1W	3.3, 5, 12, 15, 24	3.3, 5, 12, 15, 24	1500VDC	SIP	RoHS CE
	B_S-1WR2	1W	3.3, 5, 12, 15, 24	3.3, 5, 12, 15, 24	1500VDC	SIP	RoHS CE
	A_XT-1WR2	1W	5, 12, 15, 24	$\pm 5, \pm 12, \pm 15$	1500VDC	SMD	RoHS CE
	B_XT-1WR2	1W	3.3, 5, 12, 15, 24	3.3, 5, 12, 15, 24	1500VDC	SMD	RoHS CE
	E_S-1WR2	1W	5, 12, 15, 24	$\pm 5, \pm 12, \pm 15$	3000VDC	SIP	RoHS CE
	F_S-1WR2	1W	3.3, 5, 12, 15, 24	3.3, 5, 12, 15, 24	3000VDC	SIP	RoHS CE
	E_XT-1WR2	1W	5, 12, 15, 24	$\pm 5, \pm 12, \pm 15$	3000VDC	SMD	RoHS CE
	F_XT-1WR2	1W	3.3, 5, 12, 15, 24	3.3, 5, 12, 15, 24	3000VDC	SMD	RoHS CE
	G_S-1WR2	1W	5, 12, 24	$\pm 5, \pm 9, \pm 12, \pm 15$	3000VAC	SIP	RoHS
 	H_S-1WR2	1W	5, 12, 24	5, 12, 15	3000VAC	SIP	RoHS
	A_S-2WR2	2W	5, 12, 15, 24	$\pm 5, \pm 12, \pm 15$	1500VDC	SIP	RoHS CE
	B_S-2WR2	2W	5, 12, 15, 24	3.3, 5, 12, 15, 24	1500VDC	SIP	RoHS CE
	B_XT-2WR2	2W	5, 12, 15, 24	3.3, 5, 12, 15, 24	1500VDC	SMD	RoHS CE
	F_XT-2WR2	2W	5, 12, 15, 24	5, 12, 15, 24	3000VDC	SMD	RoHS CE
	E_S-2WR2	2W	5, 12, 15, 24	$\pm 5, \pm 12, \pm 15$	3000VDC	SIP	RoHS CE
	F_S-2WR2	2W	5, 12, 15, 24	3.3, 5, 12, 15, 24	3000VDC	SIP	RoHS CE
	G_S-2WR2	2W	5, 12, 24	$\pm 5, \pm 9, \pm 12, \pm 15$	3000VAC	SIP	RoHS
	H_S-2WR2	2W	5, 12, 24	5, 12, 15	3000VAC	SIP	RoHS
	H_RN-2W	2W	5, 12, 24	5, 12, 15	6000VDC	SIP	RoHS CE
H_LT-2W	2W	5, 12, 24	3.3, 5, 12, 15	6000VDC	SMD	RoHS CE	

Fixed Input Voltage, Isolated & Regulated Output Series

SMD Package	Series	Power	Input Voltage (VDC)	Output Voltage (VDC)	Isolation	Package	Certification
 	IB_XT-1WR2	1W	5, 12, 15, 24	3.3, 5, 12, 15	1500VDC	SMD	RoHS
	IB_LS-1W	1W	5, 12, 15, 24	3.3, 5, 12, 15, 24	1000VDC	SIP	RoHS
	IF_S-1W	1W	5, 12, 24	5, 12, 15, 24	3000VDC	SIP	RoHS
	IF_XT-1WR2	1W	5, 12, 24	5, 12, 15	3000VDC	SMD	RoHS
	IF_RT-1W	1W	5, 12	5	3000VDC	SMD	RoHS
	IF_RN-1W	1W	5, 12	5	3000VDC	SIP	RoHS
	IB_S-2W	2W	5, 12, 15, 24	5, 12, 15	1000VDC	SIP	RoHS
	IF_S-2W	2W	5, 12, 24	5	3000VDC	SIP	RoHS

Wide Input Voltage, Non-isolated & Regulated Output Series

SIP Package	Series	Current (mA)	Input Voltage (VDC)	Output Voltage (VDC)	Efficiency	Package	Certification
 	K78-500R3	500, -300, -150	4.75~36	3.3, 5, 9, 12, 15, -5, -12, -15	95%	SIP	RoHS CE
	K78L-500R3	500, -300, -150	4.75~36	3.3, 5, 12, 15, -5, -12, -15	95%	SIP	RoHS CE
	K78-1000	1000, -600, -400, -300	4.75~32	3.3, 5, 6.5	97%	SIP	RoHS
	K78-1500	1500	4.75~18	3.3, 5, 6.5	95%	SIP	RoHS
	K78-2000	2000	4.75~18	3.3, 5, 6.5	92%	SIP	RoHS
	K78-1000L						
	K78-1500L						
	K78-2000L						

DC-DC Converter



- 2:1, 4:1 input voltage range
- SIP, DIP, SMD, chassis mounting, DIN-Rail mounting
- Remote On/Off and output voltage trimming
- No overshoot voltage when switching
- EMI meets CISPR22/EN55022 CLASS A
- Continuous short-circuit protection, self-recovery
- RoHS, CB, CE, UL certified

Wide Input Voltage, Isolated & Regulated Output Series

Wide Input (2:1)

SIP Package



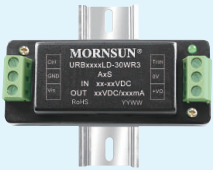
SMD Package



Chassis Mounting Package



DIN-Rail Mounting Package



DIP Package



Series	Power	Input Voltage (VDC)	Output Voltage (VDC)	Isolation	Package	Certification
WRA_S-1WR2 WRB_S-1WR2	1W	4.5~9,9~18,18~36,36~75	±5, ±9, ±12, ±15 3.3,5,9,12,15,24	1500VDC	SIP	RoHS CE
WRE_S-1WR2 WRF_S-1WR2	1W	4.5~9,9~18,18~36,36~75	±5, ±12, ±15 3.3,5,9,12,15,24	3000VDC	SIP	RoHS CE
WRA_ZP-3WR2 WRB_ZP-3WR2	3W	4.5~9,9~18,18~36,36~75	±5, ±9, ±12, ±15, ±24 3.3,5,9,12,15,24	1500VDC	DIP	RoHS CE
WRE_P-3WR2 WRF_P-3WR2	3W	4.5~9,9~18,18~36,36~75	±3.3, ±5, ±9, ±12, ±15 3.3,5,12,15,24	3000VDC	DIP	RoHS CE
WRA_S-3WR2 WRB_S-3WR2	3W	4.5~9,9~18,18~36,36~75	±5, ±9, ±12, ±15, ±24 3.3,5,9,12,15,24	1500VDC	SIP	RoHS CE
WRE_S-3WR2 WRF_S-3WR2	3W	4.5~9,9~18,18~36,36~75	±5, ±9, ±12, ±15 3.3,5,9,12,15,24	3000VDC	SIP	RoHS CE
VRA_ZP-6WR3 VRB_ZP-6WR3	6W	9~18,18~36,36~75	±5, ±12, ±15 3.3,5,12,15,24	1500VDC	DIP	RoHS CE CB
VRA_YMD-6WR3 VRB_YMD-6WR3	6W	9~18,18~36	±5, ±12, ±15 3.3,5,12,15,24	1500VDC	DIP	RoHS
VRB_YMD-10WR3	10W	18~36	3.3,5,12,15,24	1500VDC	DIP	RoHS
VRB_LD-15WR3	15W	18~36	5,12,15,24	1500VDC	DIP	RoHS
VRA_LD-20WR3 VRB_LD-20WR3	20W	18~36,36~75	±5, ±9, ±12, ±15 3.3,5,9,12,15,24	1500VDC	DIP	RoHS CE CB
VRB_LD-30WR3	30W	18~36,36~75	3.3,5,9,12,15,24	1500VDC	DIP	RoHS CE CB
VRB_LD-50W	50W	18~36,36~75	3.3,5,12,15,24	1500VDC	DIP	RoHS

Ultra-wide Input (4:1)

Series	Power	Input Voltage (VDC)	Output Voltage (VDC)	Isolation	Package	Certification
URB_MT-3WR3	3W	9~36,18~75	5,12,15,24	1500VDC	SMD	RoHS CE CB
URA_ZP-6WR3 URB_ZP-6WR3	6W	9~36,18~75	±5, ±12, ±15, ±24 3.3,5,9,12,15,24	1500VDC	DIP	RoHS CE CB
URA_YMD-6WR3 URB_YMD-6WR3	6W	9~36,18~75	±5, ±12, ±15, ±24 3.3,5,9,12,15,24	1500VDC	DIP	RoHS CE CB
URE_P-6WR3	6W	9~36	±5, ±12, ±15	3000VDC	DIP	RoHS
URF_P-6WR3	6W	9~36,18~75	3.3,5,9,12,15,24	3000VDC	DIP	RoHS CE CB
URH_P-6WR3	6W	9~36,18~75	5,9,12,15,24	6000VDC	DIP	RoHS CE
URA_YMD-10WR3 URB_YMD-10WR3	10W	9~36,18~75	±5, ±9, ±12, ±15, ±24 3.3,5,9,12,15,24	1500VDC	DIP	RoHS CE CB
URE_LP-10WR3 URF_LP-10WR3	10W	9~36,18~75	±5, ±12, ±15 3.3,5,9,12,15,24	3000VDC	DIP	RoHS CE CB
URA_LD-20WR3 URB_LD-20WR3	20W	9~36,18~75	±5, ±9, ±12, ±15 3.3,5,9,12,15,24	1500VDC	DIP	RoHS CE CB
URF_LP-20WR3	20W	9~36,18~75	3.3,5,9,12,15,24	3000VDC	DIP	RoHS CE CB
URB_LD-30WR3	30W	9~36,18~75	3.3,5,9,12,15,24	1500VDC	DIP	RoHS CE CB
URF1D_QB-50W	50W	66~160	5,12,15,24	3000VDC	DIP	RoHS
URF1D_QB-75W	75W	66~160	5,12,15,24	3000VDC	DIP	RoHS
URF1D_QB-100W	100W	66~160	12,15,24	3000VDC	DIP	RoHS
URF1D_HB-150W	150W	50~160	12,15,24	3000VDC	DIP	RoHS

PV/IGBT Driver/LED Driver/EMC Auxiliary Device

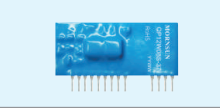
Ultra-wide Input Voltage DC-DC Converter

DIP Package



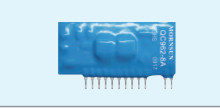
Series	Power	Input Voltage (VDC)	Output Voltage (VDC)	Isolation	Package	Certification
PV05-27B_R2	5W	100~1000	5	4000VAC	DIP	RoHS CE
PV10-27B_R2	10W	100~1000	5,9,24	4000VAC	DIP	RoHS CE
PV15-27B_R2	15W	100~1000	12,15,24	4000VAC	DIP	RoHS CE
PV40-27B	40W	200~1200	12,15,24	4000VDC	DIP	RoHS
PV45	45W	200~1400	12V/15V/24V duplex output available	4000VAC	DIP	RoHS

Hybrid Integrated IGBT Driver (Built-in Isolated DC-DC Converter)



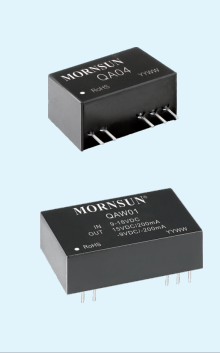
Series	VCE (max.)	Power Supply VCC(VDC)	Gate Voltage	Output peak current	Max. Frequency	Driving Channels	Isolation
QP12W08S-37	1700V	15	+15V/-9V	±8A	20KHz	1	3750VAC

Hybrid Integrated IGBT Driver



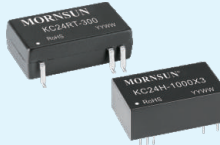
Series	VCE (max.)	Power Supply VCC(VDC)	Power Supply VEE(VDC)	Gate Voltage	Output peak current	Max. Frequency	Driving Channels	Isolation
QC962-8A	1700V	15	-10	+15V/-9V	±8A	40KHz	1	3750VAC

DC-DC Converter for IGBT Driver



Series	Input Voltage (VDC)	Input Range (VDC)	Positive/Negative Output(VDC)	Output Current(mA)	Isolation Capacitance (Typ)	Efficiency	Isolation
QA01	15	14.5~15.5	+15/-8.7	+80/-40	6.6pF	80%	3000VAC
QA01C	15	13.5~16.5	+20/-4	+100/-100	3.5pF	83%	3500VAC
QA01-09	15	14.5~15.5	+9	+111	6.6pF	80%	3000VAC
QA01-A09	15	14.5~15.5	+9/-9	+55/-55	6.6pF	80%	3000VAC
QA01-17	15	14.5~15.5	+17/-8.7	+80/-40	6.6pF	80%	3000VAC
QA02	12	11.6~12.4	+15/-8.7	+80/-40	6.6pF	80%	3000VAC
QA03	24	23.3~24.7	+15/-8.7	+80/-40	6.6pF	80%	3000VAC
QA04	12	9~15	+15/-8	+100/-80	6.6pF	80%	3000VAC
QAW01	12	9~18	+15/-9	+200/-200	100pF	85%	3000VDC
QAW02	24	18~36	+15/-9	+200/-200	100pF	85%	3000VDC

LED Driver



Series	Input Voltage (VDC)	Output Voltage (VDC)	Output Current (mA)	Efficiency	Package
KC24RT	5.5~48	3.3~36	700	96%	SMD
KC24H-1000	5.5~48	3.3~36	1000	97%	DIP
KC24H-1200	5.5~48	3.3~36	1200	97%	DIP

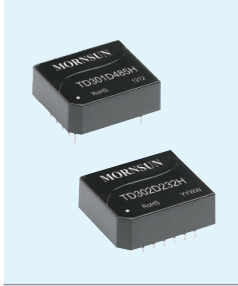
EMC Auxiliary Device



Series	Function	Input Voltage	Power/Current (Max.)	Feature
FC-LX1D	EMC filter	85~305VAC	1.5A	Used with AC-DC converter
FC-LX1D2	EMC filter	85~305VAC	1.5A	Used with AC-DC converter
FC-L01DV1	EMC filter	85~305VAC	0.3A	Used with AC-DC converter
FC-A01D	EMC filter	9~36VDC	1A	Used with DC-DC converter
FC-AX3D	EMC filter	10~36VDC	30W	Used with DC-DC converter
FC-B01D	EMC filter	18~75VDC	1A	Used with DC-DC converter
FC-B02D	EMC filter	18~75VDC	30W	Used with DC-DC converter
FC-C01D	EMC filter	40~160VDC	10W	Used with DC-DC converter
FC-CX1D	EMC filter	40~160VDC	30W	Used with DC-DC converter
FC-C03D	EMC filter	40~160VDC	50W	Used with DC-DC converter
FC-CX3D	EMC filter	66~160VDC	100W	Used with DC-DC converter
FC-D03D	EMC filter	18~36VDC	50W	Used with DC-DC converter
FC-E03D	EMC filter	36~75VDC	75W	Used with DC-DC converter
FI-B03D	EMI filter	0~80VDC	3A	Used with DC-DC converter
FS-TD01D	485-AB bus surge protection module	0~5VDC	0.1A	/
FS-A01D	Surge suppressor	0~40VDC	0.6A	Used with DC-DC converter
FT-BX1D	EFT suppressor	0~80VDC	1.5A	/
FL2D	Common mode filter	/	0.5,1,3A	/

Isolation Transmitter

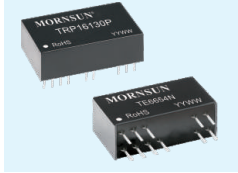
Industrial Bus Isolation Transceiver Module



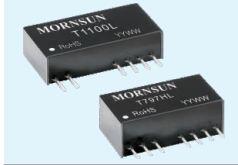
Series	Function	Power Supply	Data Rate	Temperature	Package
TD301/501DCANH3	Single high rate CAN (enhanced version)	3.0~3.6V/4.5~5.5V	0~1Mbps	-40~+105°C	DIP8
TD301/501D232H	Single high rate 232	3.0~3.6V/4.5~5.5V	0~115.2Kbps	-40~+85°C	DIP8
TD302/502D232H	Dual high rate 232	3.0~3.6V/4.5~5.5V	0~115.2Kbps	-40~+105°C	DIP12
TD301/501D485	Single low rate 485	3.17~3.45V/4.75~5.25V	0~9.6Kbps	-40~+85°C	DIP10
TD301/501D485H	Single high rate 485	3.17~3.45V/4.75~5.25V	0~200Kbps	-40~+85°C	DIP10
TD301/501D485H-A	Single high rate 485 (automatic switching)	3.17~3.45V/4.75~5.25V	0~115.2Kbps	-40~+85°C	DIP10
TD301/501D485H-E	Single high rate 485 (enhanced version)	3.17~3.45V/4.75~5.25V	0~500Kbps	-40~+85°C	DIP10
TDH301/501D485H	Dual double isolation high rate 485	3.17~3.45V/4.75~5.25V	0~115.2Kbps	-40~+85°C	DIP10

Signal Conditioning Module

DIP Package



SIP Package



Series	Function	Input Signal	Output Signal	Isolation	Package
T1100L	Passive module	4~20mA	4~20mA	3000VDC	SIP12
T1100L-F	Passive module (loop power supply)	4~20mA	4~20mA	3000VDC	SIP12
T_HL	Two-wire self-powered module with HART	0~2.5V	3.7~22mA	2000VAC	SIP9
T_L	Two-wire loop power supply	0~2.5V	3.7~22mA	2000VAC	SIP9
TE_N	Active module	0~5V, 0~10V, 4~20mA	0~5V, 0~10V	2000VAC	DIP18
TF_N	Active module	0~5V, 0~10V	0~5V, 0~10V, 4~20mA	2000VAC	DIP18
TE_CN	Active module positive and negative signal	±5V, ±10V	±5V, ±10V	2000VAC	DIP18
TE_AN	Active module positive and negative signal	±5V, ±10V	0~5V, 0~10V	2000VAC	DIP18
TEM_CN	Active, mV-class, positive and negative signal	±50mVDC, ±100mVDC, ±200mVDC	±5VDC, ±10VDC	2000VAC	DIP18
TEM_AN	Active, mV-class, positive and negative signal	±75mVDC, ±100mVDC	0~5V	2000VAC	DIP18
TRP_P	RTDs detection type isolated module	Pt100 (0~200°C)	4~20mA	2000VAC	DIP24
T_P	Active module	0/4~20mA, 0~5V, 0~10V	0/4~20mA, 0~5V, 0~10V	2500VDC	DIP24

Signal Isolator / Isolation Barrier



Ultra-thin Signal Isolator



Ultra-thin Isolation Barrier

Series	Function	Input Signal	Output Signal	Feature
TAx0W	Analog signal	0/4~20mA, 0/1~5V, 0/2~10V	0/4~20mA, 0/1~5V, 0/2~10V	DIN-Rail power supply
TAx05W	DC current input analog signal	0/4~20mA	0/4~20mA, 0/1~5V, 0/2~10V	DIN-Rail power supply
TAx06W	Passive Barrier	4~20mA	4~20mA	/
TAx0PW	DC current/voltage input programmable analog signal	0/4~20mA, 0/1~5V, 0/2~10V	0/4~20mA, 0/1~5V, 0/2~10V	DIN-Rail power supply
TAx5PW	DC current input programmable analog signal	0/4~20mA, 0/1~5V, 0/2~10V	0/4~20mA, 0/1~5V, 0/2~10V	DIN-Rail power supply
TRx0PW	Programmable RTD	Pt100, Cu50, Cu100	0/4~20mA, 0/1~5V, 0/2~10V	DIN-Rail power supply
TR1x0PWE	Programmable RTD	Pt100, Cu50, Cu100	0/4~20mA, 0/1~5V, 0/2~10V	DIN-Rail power supply
TCx0PW	Programmable thermocouple	R,S,K,J,T,B,E thermocouple, mV signal	0/4~20mA, 0/1~5V, 0/2~10V	DIN-Rail power supply
TA_W-EX	Analog detection type	4~20mA, 0~10V	0/4~20mA, 0~10V	HART, DIN-Rail power supply
TAF_W-EX	Analog operation type	4~20mA	4~20mA	HART, DIN-Rail power supply
TS_W-EX	Switch detection type	Switch input	TSx00W-EX-xx: Relay output TSx01W-EX-xx: Transistor output	DIN-Rail power supply
TSF_W-EX	Switch operation type	Switch input	12V/44mA	DIN-Rail power supply
TC_PW-EX	Programmable thermocouple	R,S,K,J,T,B,E thermocouple, mV signal	0/4~20mA, 0/1~5V, 0/2~10V	DIN-Rail power supply
TR_PW-EX	Programmable RTD	Pt100, Cu50, Cu100	0/4~20mA, 0/1~5V, 0/2~10V	DIN-Rail power supply
TD100W-EX-485 TD101W-EX-485	RS485 communication signal	RS485 digital signal	RS485/RS232 digital signal	Digital signal