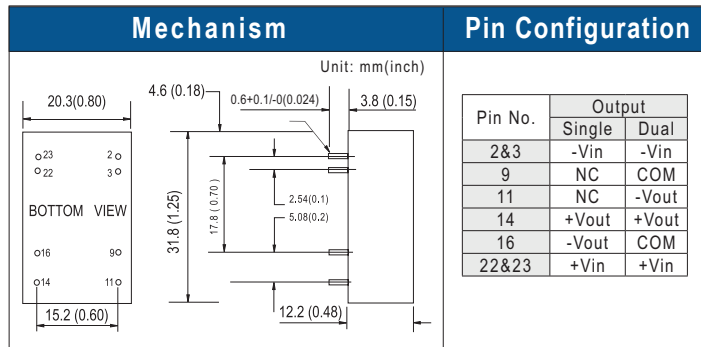


### 3W DC-DC Regulated Single and Dual Output



1.25"x 0.8"x 0.48"

- 2:1 wide input range
- 4:1 wide input range (option)
- 1000VDC I/O isolation
- 3000VDC I/O isolation (option)
- Built-in EMI filter
- Protection: Short circuit / Overload
- Cooling by free air convection
- Five-sided shield metal case
- 100% full load burn-in test
- Low cost, high reliability
- 2 years warranty



- Voltage set point accuracy .....  $\pm 2\%$  (max.)  
 Line regulation .....  $\pm 0.5\%$  (max.)  
 Load regulation .....  $\pm 0.5\%$  (max.)@10~100% load  
 Efficiency ..... 82% (typical)  
 Short circuit protection ..... Continuous, auto-recovery  
 Overload protection ..... 160%~250%, auto-recovery  
 I/O isolation voltage ..... 1000VDC (min.)  
 I/O isolation resistance ..... 100M $\Omega$  (min.)@ 500VDC  
 Isolation capacitance ..... 80pF (max.)  
 Working temperature ..... -40~+71°C (refer to output derating curve)  
 Storage temperature ..... -40°C to +105°C  
 Temp. Coefficient .....  $\pm 0.03\%$  / °C (max.)  
 Case material ..... Five-sided shield metal case  
 EMC ..... Compliance to EN55022 class B,  
 EN61000-4-2,3,4,5,6,8, FCC part15 class B

#### Single Output

Model No.	Input (VDC)	Output (VDC)	Current (mA)	R&N (mVp-p)
SCW03A-05	9~18	5	600	50
SCW03A-12	9~18	12	250	60
SCW03A-15	9~18	15	200	60
SCW03B-05	18~36	5	600	50
SCW03B-12	18~36	12	250	60
SCW03B-15	18~36	15	200	60
SCW03C-05	36~72	5	600	50
SCW03C-12	36~72	12	250	60
SCW03C-15	36~72	15	200	60

#### Dual Output

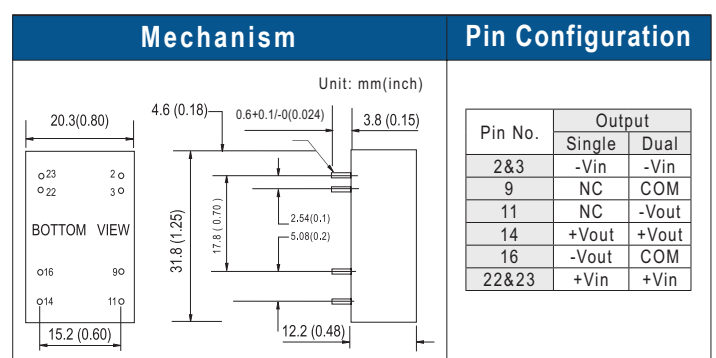
Model No.	Input (VDC)	Output (VDC)	Current (mA)	R&N (mVp-p)
DCW03A-05	9~18	$\pm 5$	$\pm 300$	50
DCW03A-12	9~18	$\pm 12$	$\pm 125$	60
DCW03A-15	9~18	$\pm 15$	$\pm 100$	60
DCW03B-05	18~36	$\pm 5$	$\pm 300$	50
DCW03B-12	18~36	$\pm 12$	$\pm 125$	60
DCW03B-15	18~36	$\pm 15$	$\pm 100$	60
DCW03C-05	36~72	$\pm 5$	$\pm 300$	50
DCW03C-12	36~72	$\pm 12$	$\pm 125$	60
DCW03C-15	36~72	$\pm 15$	$\pm 100$	60

### 5~6W DC-DC Regulated Single and Dual Output



1.25"x 0.8"x 0.48"

- 2:1 wide input range
- 4:1 wide input range(option)
- 1000VDC I/O isolation
- 3000VDC I/O isolation(option)
- Built-in EMI filter
- Protection: Short circuit / Overload
- Cooling by free air convection
- Five-sided shield metal case
- 100% full load burn-in test
- Low cost, high reliability
- 2 years warranty



- Voltage set point accuracy .....  $\pm 2\%$  (max.)  
 Line regulation .....  $\pm 0.5\%$  (max.)  
 Load regulation .....  $\pm 0.5\%$  (max.)@20~100% load  
 Efficiency ..... 85% (typical)  
 Short circuit protection ..... Continuous, auto-recovery  
 Overload protection ..... 150%~250%, auto-recovery  
 I/O isolation voltage ..... 1000VDC (min.)  
 I/O isolation resistance ..... 100M $\Omega$  (min.)@ 500VDC  
 Isolation capacitance ..... 80pF (max.)  
 Working temperature ..... -40~+71°C (refer to output derating curve)  
 Storage temperature ..... -40°C to +105°C  
 Temp. Coefficient .....  $\pm 0.03\%$  / °C (max.)  
 Case material ..... Five-sided shield metal case  
 EMC ..... Compliance to EN55022 class B,  
 EN61000-4-2,3,4,5,6,8, FCC part15 class B

#### Single Output

Model No.	Input (VDC)	Output (VDC)	Current (mA)	R&N (mVp-p)
SCW05A-05	9~18	5	1000	50
SCW05A-09	9~18	9	556	60
SCW05A-12	9~18	12	470	60
SCW05A-15	9~18	15	400	60
SCW05B-05	18~36	5	1000	50
SCW05B-09	18~36	9	556	60
SCW05B-12	18~36	12	470	60
SCW05B-15	18~36	15	400	60
SCW05C-05	36~72	5	1000	50
SCW05C-09	36~72	9	556	60
SCW05C-12	36~72	12	470	60
SCW05C-15	36~72	15	400	60

#### Dual Output

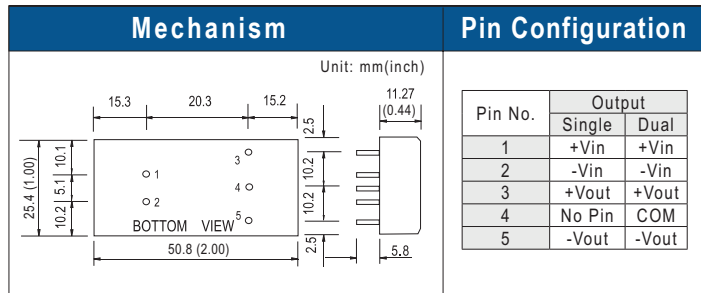
Model No.	Input (VDC)	Output (VDC)	Current (mA)	R&N (mVp-p)
DCW05A-05	9~18	$\pm 5$	$\pm 500$	50
DCW05A-12	9~18	$\pm 12$	$\pm 230$	60
DCW05A-15	9~18	$\pm 15$	$\pm 190$	60
DCW05B-05	18~36	$\pm 5$	$\pm 500$	50
DCW05B-12	18~36	$\pm 12$	$\pm 230$	60
DCW05B-15	18~36	$\pm 15$	$\pm 190$	60
DCW05C-05	36~72	$\pm 5$	$\pm 500$	50
DCW05C-12	36~72	$\pm 12$	$\pm 230$	60
DCW05C-15	36~72	$\pm 15$	$\pm 190$	60

### 5W DC-DC Regulated Single and Dual Output



2"x 1"x 0.44"

- 2:1 wide input range
- 4:1 wide input range(option)
- 1000VDC I/O isolation
- 3000VDC I/O isolation(option)
- Built-in EMI filter
- Protection: Short circuit / Overload
- Cooling by free air convection
- Six-sided shield metal case
- 100% full load burn-in test
- Low cost, high reliability
- 2 years warranty



- Voltage set point accuracy ... $\pm 2\%$  (max.)  
 Line regulation ..... $\pm 0.2\%$  (max.)  
 Load regulation ..... $\pm 0.5\%$  (max.)@10~100% load  
 Efficiency ..... 85% (typical)  
 Short circuit protection ..... Continuous, auto-recovery  
 Overload protection ..... 160%~250%, auto-recovery  
 I/O isolation voltage ..... 1000VDC (min.)  
 I/O isolation resistance ..... 100M $\Omega$  (min.)@ 500VDC  
 Working temperature ..... -25~+71°C (refer to output derating curve)  
 Storage temperature ..... -25°C to +105°C  
 Temp. Coefficient .....  $\pm 0.03\%$  / °C (max.)  
 Case material ..... Six-sided shield metal case  
 EMC ..... Compliance to EN55022 class B,  
 EN61000-4-2,3,4,5,6,8, FCC part15 class B

#### Single Output

Model No.	Input (VDC)	Output (VDC)	Current (mA)	R&N (mVp-p)
SLW05A-05	9~18	5	1000	50
SLW05A-09	9~18	9	556	60
SLW05A-12	9~18	12	417	60
SLW05A-15	9~18	15	333	60
SLW05B-05	18~36	5	1000	50
SLW05B-09	18~36	9	556	60
SLW05B-12	18~36	12	417	60
SLW05B-15	18~36	15	333	60
SLW05C-05	36~72	5	1000	50
SLW05C-09	36~72	9	556	60
SLW05C-12	36~72	12	417	60
SLW05C-15	36~72	15	333	60

#### Dual Output

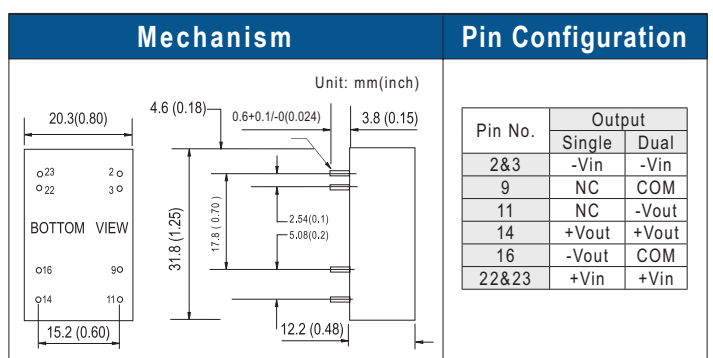
Model No.	Input (VDC)	Output (VDC)	Current (mA)	R&N (mVp-p)
DLW05A-05	9~18	$\pm 5$	$\pm 500$	50
DLW05A-12	9~18	$\pm 12$	$\pm 208$	60
DLW05A-15	9~18	$\pm 15$	$\pm 167$	60
DLW05B-05	18~36	$\pm 5$	$\pm 500$	50
DLW05B-12	18~36	$\pm 12$	$\pm 208$	60
DLW05B-15	18~36	$\pm 15$	$\pm 167$	60
DLW05C-05	36~72	$\pm 5$	$\pm 500$	50
DLW05C-12	36~72	$\pm 12$	$\pm 208$	60
DLW05C-15	36~72	$\pm 15$	$\pm 167$	60

### 8W DC-DC Regulated Single and Dual Output



1.25"x 0.8"x 0.48"

- 2:1 wide input range
- 1000VDC I/O isolation
- Built-in EMI filter
- Protection: Short circuit / Overload
- Cooling by free air convection
- Five-sided shield metal case
- 100% full load burn-in test
- Low cost, high reliability
- 2 years warranty



- Voltage set point accuracy ....  $\pm 2\%$  (max.)  
 Line regulation .....  $\pm 0.5\%$  (max.)  
 Load regulation .....  $\pm 0.5\%$  (max.)@20~100% load  
 Efficiency ..... 82% (typical)  
 Short circuit protection ..... Continuous, auto-recovery  
 Overload protection ..... 110%~250%, auto-recovery  
 I/O isolation voltage ..... 1000VDC (min.)  
 I/O isolation resistance ..... 100M $\Omega$  (min.)@ 500VDC  
 Isolation capacitance ..... 250pF (max.)  
 Working temperature ..... -40~+71°C (refer to output derating curve)  
 Storage temperature ..... -40°C to +105°C  
 Temp. Coefficient .....  $\pm 0.03\%$  / °C (max.)  
 Case material ..... Five-sided shield metal case  
 EMC ..... Compliance to EN55022 class B,  
 EN61000-4-2,3,4,5,6,8, FCC part15 class B

#### Single Output

Model No.	Input (VDC)	Output (VDC)	Current (mA)	R&N (mVp-p)
SCW08A-05	9~18	5	1600	50
SCW08A-12	9~18	12	670	60
SCW08A-15	9~18	15	533	60
SCW08B-05	18~36	5	1600	50
SCW08B-12	18~36	12	670	60
SCW08B-15	18~36	15	533	60
SCW08C-05	36~72	5	1600	50
SCW08C-12	36~72	12	670	60
SCW08C-15	36~72	15	533	60

#### Dual Output

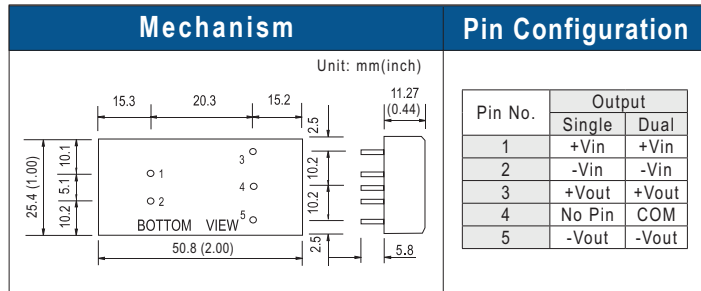
Model No.	Input (VDC)	Output (VDC)	Current (mA)	R&N (mVp-p)
DCW08A-05	9~18	$\pm 5$	$\pm 800$	50
DCW08A-12	9~18	$\pm 12$	$\pm 335$	60
DCW08A-15	9~18	$\pm 15$	$\pm 267$	60
DCW08B-05	18~36	$\pm 5$	$\pm 800$	50
DCW08B-12	18~36	$\pm 12$	$\pm 335$	60
DCW08B-15	18~36	$\pm 15$	$\pm 267$	60
DCW08C-05	36~72	$\pm 5$	$\pm 800$	50
DCW08C-12	36~72	$\pm 12$	$\pm 335$	60
DCW08C-15	36~72	$\pm 15$	$\pm 267$	60

### 10W DC-DC Regulated Single and Dual Output



2"x 1"x 0.44"

- 2:1 wide input range
- 4:1 wide input range(option)
- 1000VDC I/O isolation
- 3000VDC I/O isolation (option)
- Built-in EMI filter
- Protection: Short circuit / Overload
- Cooling by free air convection
- Six-sided shield metal case
- 100% full load burn-in test
- Low cost, high reliability
- 2 years warranty



- Voltage set point accuracy ...  $\pm 2\%$  (max.)  
 Line regulation .....  $\pm 0.3\%$  (max.)  
 Load regulation .....  $\pm 0.5\%$  (max.)@10~100% load  
 Efficiency ..... 85% (typical)  
 Short circuit protection ..... Continuous, auto-recovery  
 Overload protection ..... 160%~250%, auto-recovery  
 I/O isolation voltage ..... 1000VDC (min.)  
 I/O isolation resistance ..... 100M $\Omega$  (min.)@ 500VDC  
 Working temperature ..... -25~+71°C (refer to output derating curve)  
 Storage temperature ..... -25°C to +105°C  
 Temp. Coefficient .....  $\pm 0.03\%$  / °C (max.)  
 Case material ..... Six-sided shield metal case  
 EMC ..... Compliance to EN55022 class B,  
 EN61000-4-2,3,4,5,6,8, FCC part15 class B

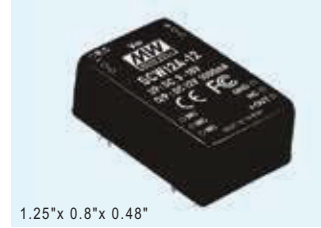
#### Single Output

Model No.	Input (VDC)	Output (VDC)	Current (mA)	R&N (mVp-p)
SKE10A-05	9~18	5	2000	50
SKE10A-12	9~18	12	840	60
SKE10A-15	9~18	15	666	60
SKE10A-24	9~18	24	420	80
SKE10B-05	18~36	5	2000	50
SKE10B-12	18~36	12	840	60
SKE10B-15	18~36	15	666	60
SKE10B-24	18~36	24	420	80
SKE10C-05	36~72	5	2000	50
SKE10C-12	36~72	12	840	60
SKE10C-15	36~72	15	666	60
SKE10C-24	36~72	24	420	80

#### Dual Output

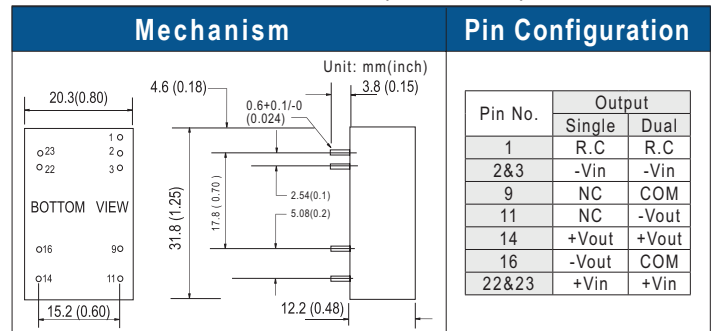
Model No.	Input (VDC)	Output (VDC)	Current (mA)	R&N (mVp-p)
DKE10A-05	9~18	$\pm 5$	$\pm 1000$	50
DKE10A-12	9~18	$\pm 12$	$\pm 420$	60
DKE10A-15	9~18	$\pm 15$	$\pm 333$	60
DKE10A-24	9~18	$\pm 24$	$\pm 210$	80
DKE10B-05	18~36	$\pm 5$	$\pm 1000$	50
DKE10B-12	18~36	$\pm 12$	$\pm 420$	60
DKE10B-15	18~36	$\pm 15$	$\pm 333$	60
DKE10B-24	18~36	$\pm 24$	$\pm 210$	80
DKE10C-05	36~72	$\pm 5$	$\pm 1000$	50
DKE10C-12	36~72	$\pm 12$	$\pm 420$	60
DKE10C-15	36~72	$\pm 15$	$\pm 333$	60
DKE10C-24	36~72	$\pm 24$	$\pm 210$	80

### 12W DC-DC Regulated Single and Dual Output



1.25"x 0.8"x 0.48"

- 2:1 wide input range
- 1500VDC I/O isolation
- Built-in remote ON/OFF control
- Built-in EMI filter
- Protection: Short circuit / Overload
- Cooling by free air convection
- Five-sided shield metal case
- 100% full load burn-in test
- Low cost, high reliability
- Modified models available:  
output 2.5V / 3.3V
- 2 years warranty



- Voltage set point accuracy ...  $\pm 2\%$  (max.)  
 Line regulation .....  $\pm 0.5\%$  (max.)  
 Load regulation .....  $\pm 0.5\%$  (max.)@20~100% load  
 Efficiency ..... 85% (typical)  
 Short circuit protection ..... Continuous, auto-recovery  
 Overload protection ..... 110%~180%, auto-recovery  
 I/O isolation voltage ..... 1500VDC (min.)  
 I/O isolation resistance ..... 100M $\Omega$  (min.)@ 500VDC  
 Working temperature ..... -40~+71°C (refer to output derating curve)  
 Storage temperature ..... -40°C to +105°C  
 Temp. Coefficient .....  $\pm 0.03\%$  / °C (max.)  
 Case material ..... Five-sided shield metal case  
 EMC ..... Compliance to EN55022 class A,  
 EN61000-4-2,3,4,5,6,8, FCC part15 class A

#### Single Output

Model No.	Input (VDC)	Output (VDC)	Current (mA)	R&N (mVp-p)
SCW12A-05	9~18	5	2400	50
SCW12A-12	9~18	12	1000	60
SCW12A-15	9~18	15	800	60
SCW12B-05	18~36	5	2400	50
SCW12B-12	18~36	12	1000	60
SCW12B-15	18~36	15	800	60
SCW12C-05	36~72	5	2400	50
SCW12C-12	36~72	12	1000	60
SCW12C-15	36~72	15	800	60

#### Dual Output

Model No.	Input (VDC)	Output (VDC)	Current (mA)	R&N (mVp-p)
DCW12A-05	9~18	$\pm 5$	$\pm 1200$	50
DCW12A-12	9~18	$\pm 12$	$\pm 500$	60
DCW12A-15	9~18	$\pm 15$	$\pm 400$	60
DCW12B-05	18~36	$\pm 5$	$\pm 1200$	50
DCW12B-12	18~36	$\pm 12$	$\pm 500$	60
DCW12B-15	18~36	$\pm 15$	$\pm 400$	60
DCW12C-05	36~72	$\pm 5$	$\pm 1200$	50
DCW12C-12	36~72	$\pm 12$	$\pm 500$	60
DCW12C-15	36~72	$\pm 15$	$\pm 400$	60

### 15W DC-DC Regulated Single Output



1"x 1"x 0.39"

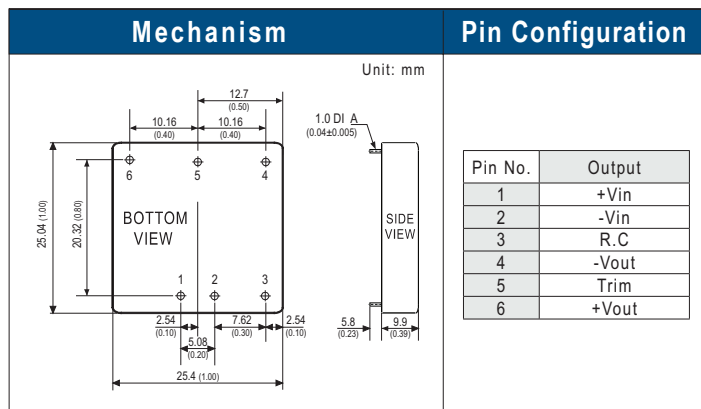
- 1"x1" compact size
- 2:1 wide input range
- 1500VDC I/O isolation
- High efficiency up to 88%
- Built-in remote ON/OFF control
- Built-in EMI filter
- Trimming output ( $\pm 10\%$ )
- Protections: Short circuit / Overload / Over voltage
- Cooling by free air convection
- 100% full load burn-in test
- Low cost, high reliability
- 2 years warranty

### 15W DC-DC Regulated Single and Dual Output



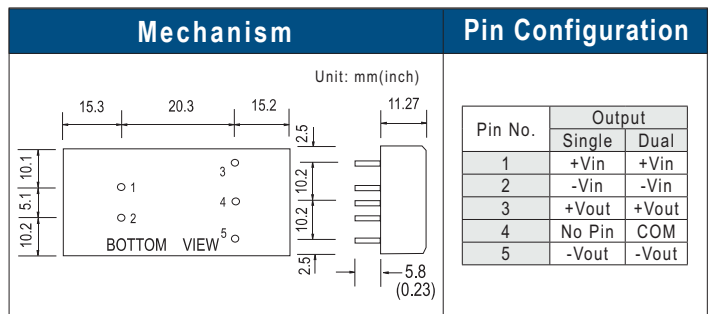
2"x 1"x 0.44"

- 2:1 wide input range
- 4:1 wide input range(option)
- 1000VDC I/O isolation
- 3000VDC I/O isolation (option)
- Built-in EMI filter
- Protection: Short circuit / Overload
- Cooling by free air convection
- Six-sided shield metal case
- 100% full load burn-in test
- Low cost, high reliability
- 2 years warranty



- Voltage set point accuracy ...  $\pm 2\%$  (max.)
- Line regulation .....  $\pm 0.5\%$  (max.)
- Load regulation .....  $\pm 0.5\%$  (max.) @10%~100% load
- Overload protection ..... 110%~180%, auto-recovery
- Over voltage protection ..... Clamp by TVS diode
- Efficiency ..... 88% (typical)
- I/O isolation voltage ..... 1500VDC(min.)
- I/O isolation resistance ..... 100M $\Omega$ (min.) @500VDC
- Working temperature ..... -40~+80°C(refer to output derating curve)
- Storage temperature ..... -55°C to 100°C
- Case Material ..... Six-sided shield metal case
- EMC ..... Compliance to EN55022 class A,  
EN61000-4-2,3,4,5,6,8, FCC part15 class A

Model No.	Input (VDC)	Output (VDC)	Current (A)	R&N (mVp-p)
SKM15A-05	9~18	5	3.00	50
SKM15A-12	9~18	12	1.25	60
SKM15A-15	9~18	15	1.00	60
SKM15B-05	18~36	5	3.00	50
SKM15B-12	18~36	12	1.25	60
SKM15B-15	18~36	15	1.00	60
SKM15C-05	36~75	5	3.00	50
SKM15C-12	36~75	12	1.25	60
SKM15C-15	36~75	15	1.00	60



- Voltage set point accuracy ...  $\pm 2\%$  (max.)
- Line regulation .....  $\pm 0.2\%$  (max.)
- Load regulation .....  $\pm 0.5\%$  (max.)@10~100% load
- Efficiency ..... 82% (typical)
- Short circuit protection ..... Continuous, auto-recovery
- Overload protection ..... 110%~250%, auto-recovery
- I/O isolation voltage ..... 1000VDC (min.)
- I/O isolation resistance ..... 100M $\Omega$  (min.)@ 500VDC
- Working temperature ..... -40~+71°C (refer to output derating curve)
- Storage temperature ..... -40°C to +105°C
- Temp. Coefficient .....  $\pm 0.03\%$  / °C (max.)
- Case material ..... Six-sided shield metal case
- EMC ..... Compliance to EN55022 class B,

#### Single Output EN61000-4-2,3,4,5,6,8, FCC part15 class B

Model No.	Input (VDC)	Output (VDC)	Current (mA)	R&N (mVp-p)
SKA15A-033	9~18	3.3	3000	50
SKA15A-05	9~18	5	3000	50
SKA15A-12	9~18	12	1250	60
SKA15A-15	9~18	15	1000	60
SKA15B-033	18~36	3.3	3000	50
SKA15B-05	18~36	5	3000	50
SKA15B-12	18~36	12	1250	60
SKA15B-15	18~36	15	1000	60
SKA15C-033	36~72	3.3	3000	50
SKA15C-05	36~72	5	3000	50
SKA15C-12	36~72	12	1250	60
SKA15C-15	36~72	15	1000	60

#### Dual Output

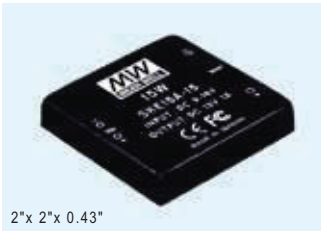
Model No.	Input (VDC)	Output (VDC)	Current (mA)	R&N (mVp-p)
DKA15A-05	9~18	$\pm 5$	$\pm 1500$	50
DKA15A-12	9~18	$\pm 12$	$\pm 625$	60
DKA15A-15	9~18	$\pm 15$	$\pm 500$	60
DKA15B-05	18~36	$\pm 5$	$\pm 1500$	50
DKA15B-12	18~36	$\pm 12$	$\pm 625$	60
DKA15B-15	18~36	$\pm 15$	$\pm 500$	60
DKA15C-05	36~72	$\pm 5$	$\pm 1500$	50
DKA15C-12	36~72	$\pm 12$	$\pm 625$	60
DKA15C-15	36~72	$\pm 15$	$\pm 500$	60



To Satisfy our customers is our goal —

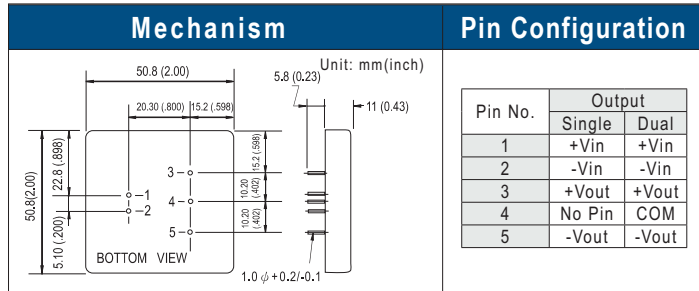
- High Quality
- Low Cost
- Prompt Delivery
- Best Service

### 15W DC-DC Regulated Single and Dual Output



2"x 2"x 0.43"

- 2:1 wide input range
- 4:1 wide input range(option)
- 1000VDC I/O isolation
- 3000VDC I/O isolation(option)
- Built-in EMI filter
- Protections: Short circuit / Overload
- Cooling by free air convection
- Six-sided shield metal case
- 100% full load burn-in test
- Low cost, high reliability
- 2 years warranty



- Voltage set point accuracy ...  $\pm 2\%$  (max.)
- Line regulation .....  $\pm 0.3\%$  (max.)
- Load regulation .....  $\pm 0.5\%$  (max.)@10~100% load
- Efficiency ..... 85% (typical)
- Short circuit protection ..... Continuous, auto-recovery
- Overload protection ..... 160%~250%, auto-recovery
- I/O isolation voltage ..... 1000VDC (min.)
- I/O isolation resistance ..... 100M $\Omega$  (min.)@ 500VDC
- Working temperature ..... -25~+71°C (refer to output derating curve)
- Storage temperature ..... -25°C to +105°C
- Temp. Coefficient .....  $\pm 0.03\%$  / °C (max.)
- Case material ..... Six-sided shield metal case
- EMC ..... Compliance to EN55022 class B, EN61000-4-2,3,4,5,6,8, FCC part15 class B

#### ◇ Single Output

Model No.	Input (VDC)	Output (VDC)	Current (mA)	R&N (mVp-p)
SKE15A-05	9~18	5	3000	50
SKE15A-12	9~18	12	1250	60
SKE15A-15	9~18	15	1000	60
SKE15A-24	9~18	24	625	80
SKE15B-05	18~36	5	3000	50
SKE15B-12	18~36	12	1250	60
SKE15B-15	18~36	15	1000	60
SKE15B-24	18~36	24	625	80
SKE15C-05	36~72	5	3000	50
SKE15C-12	36~72	12	1250	60
SKE15C-15	36~72	15	1000	60
SKE15C-24	36~72	24	625	80

#### ◇ Dual Output

Model No.	Input (VDC)	Output (VDC)	Current (mA)	R&N (mVp-p)
DKE15A-05	9~18	$\pm 5$	$\pm 1500$	50
DKE15A-12	9~18	$\pm 12$	$\pm 625$	60
DKE15A-15	9~18	$\pm 15$	$\pm 500$	60
DKE15A-24	9~18	$\pm 24$	$\pm 313$	80
DKE15B-05	18~36	$\pm 5$	$\pm 1500$	50
DKE15B-12	18~36	$\pm 12$	$\pm 625$	60
DKE15B-15	18~36	$\pm 15$	$\pm 500$	60
DKE15B-24	18~36	$\pm 24$	$\pm 313$	80
DKE15C-05	36~72	$\pm 5$	$\pm 1500$	50
DKE15C-12	36~72	$\pm 12$	$\pm 625$	60
DKE15C-15	36~72	$\pm 15$	$\pm 500$	60
DKE15C-24	36~72	$\pm 24$	$\pm 313$	80

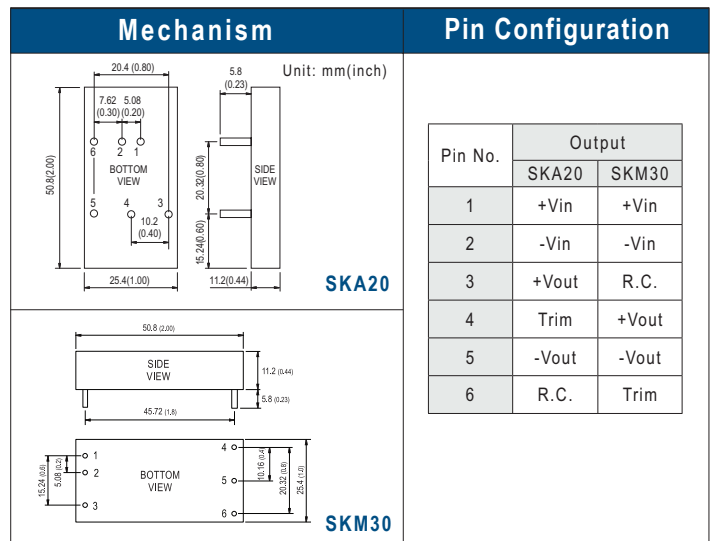
### 20~30W DC-DC Regulated Single Output



SKA20  
2"x 1"x 0.44"

SKM30  
2"x 1"x 0.44"

- 2"x 1" compact size
- 2:1 wide input range
- 1500VDC I/O isolation
- Built-in remote ON/OFF control
- Built-in EMI filter
- Trimming output ( $\pm 10\%$ )
- Protections: Short circuit / Overload / Input and output over voltage
- Cooling by free air convection
- Six-sided shield metal case
- 100% full load burn-in test
- Low cost, high reliability
- 2 years warranty



- Voltage set point accuracy ....  $\pm 2\%$  (max.)
- Line regulation .....  $\pm 0.2\%$  (max.)
- Load regulation .....  $\pm 0.5\%$  (max.)@10~100% load
- Efficiency ..... 89.5% (typical) for SKA20  
90% (typical) for SKM30
- Short circuit protection ..... Continuous, auto-recovery
- Overload protection ..... 110%~180%, auto-recovery
- I/O isolation voltage ..... 1500VDC (min.)
- I/O isolation resistance ..... 100M $\Omega$  (min.)@ 500VDC
- Working temperature ..... -40~+85°C (refer to output derating curve) for SKA20  
-40~+75°C (refer to output derating curve) for SKM30
- EMC ..... Compliance to EN55022 class A, EN61000-4-2,3,4,5,6,8, FCC part15 class A

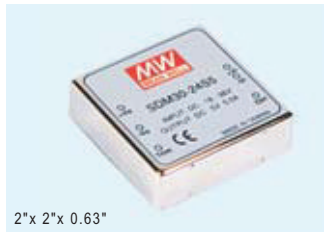
#### ◇ SKA20 Series

Model No.	Input (VDC)	Output (VDC)	Current (mA)	R&N (mVp-p)
SKA20A-05	9~18	5	4000	50
SKA20A-12	9~18	12	1666	60
SKA20A-15	9~18	15	1333	60
SKA20B-05	18~36	5	4000	50
SKA20B-12	18~36	12	1666	60
SKA20B-15	18~36	15	1333	60
SKA20C-05	36~75	5	4000	50
SKA20C-12	36~75	12	1666	60
SKA20C-15	36~75	15	1333	60

#### ◇ SKM30 Series

Model No.	Input (VDC)	Output (VDC)	Current (A)	R&N (mVp-p)
SKM30A-05	9~18	5	6	90
SKM30A-12	9~18	12	2.5	120
SKM30A-15	9~18	15	2	120
SKM30B-05	18~36	5	6	90
SKM30B-12	18~36	12	2.5	120
SKM30B-15	18~36	15	2	120
SKM30C-05	36~75	5	6	90
SKM30C-12	36~75	12	2.5	120
SKM30C-15	36~75	15	2	120

### 30W DC-DC Regulated Single Output



2"x 2"x 0.63"

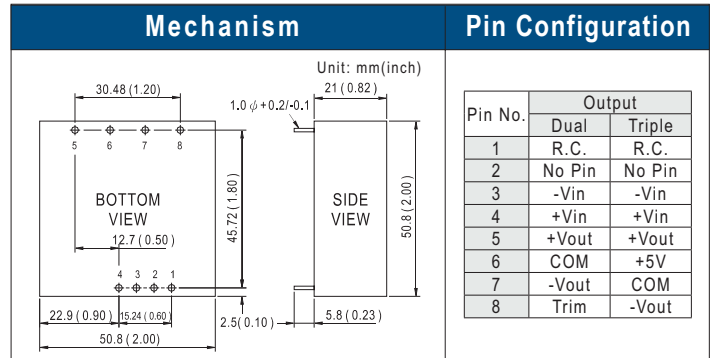
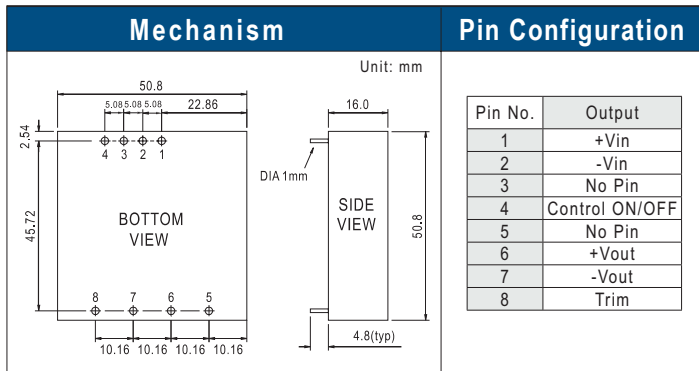
- 2:1 wide input range
- 1000VDC I/O isolation
- Built-in remote ON/OFF control
- Built-in EMI filter
- Trimming output ( $\pm 10\%$ )
- Protections: Short circuit / Overload / Over voltage
- Cooling by free air convection
- Compact size, high efficiency
- 100% full load burn-in test
- Low cost, high reliability
- 2 years warranty

### 25~30W DC-DC Regulated Dual and Triple Output



2"x 2"x 0.82"

- 2:1 wide input range
- 4:1 wide input range(option)
- 1000VDC I/O isolation
- Built-in remote ON/OFF control
- Built-in EMI filter
- Trimming output ( $\pm 10\%$ ) for dual output
- Protections: Short circuit / Overload
- Cooling by free air convection
- Six-sided shield metal case
- 100% full load burn-in test
- Low cost, high reliability
- 1 years warranty



- Voltage set point accuracy ...  $\pm 2\%$  (max.) ( $\pm 3\%$  for 3.3VDC models)
- Line regulation .....  $\pm 1\%$  (max.)
- Load regulation .....  $\pm 1\%$  (max.) @10~100% load
- Overload protection ..... Over 105% power limiting, auto-recovery
- Over voltage protection ..... 115%~150% rated output voltage
- Efficiency (typical) ..... 80% for 12V input  
83% for 24V input  
85% for 48V input
- I/O isolation voltage ..... 1000VDC(min.)
- I/O isolation resistance ..... 100M $\Omega$ (min.) @500VDC
- Working temperature ..... -25~+85°C (refer to output derating curve)
- Storage temperature ..... -25°C to +85°C
- Case Material ..... Six-sided shield metal case
- EMC ..... Compliance to EN55022 class B,  
EN61000-4-2,3,4,6,8
- Packing ..... 0.1kg ; 150pcs / 15.8kg / 0.97CUFT

- Voltage set point accuracy ....  $\pm 2\%$  (max.)
- Line regulation .....  $\pm 0.5\%$  (max.) for dual output;  
 $\pm 1\%$  (max.) for triple output
- Load regulation .....  $\pm 0.5\%$  (10~100% load)(Dual)  
 $\pm 5\%$  (20~100% load)(Triple)
- Efficiency ..... 83% (typical)
- Short circuit protection ..... Continuous, auto-recovery
- Overload protection ..... 110%~250%, auto-recovery
- I/O isolation voltage ..... 1000VDC (min.)
- I/O isolation resistance ..... 100M $\Omega$  (min.)@ 500VDC
- Working temperature ..... -40~+85°C (refer to output derating curve)
- Storage temperature ..... -40°C to +105°C
- Temp. Coefficient .....  $\pm 0.03\%$  / °C (max.)
- Case material ..... Six-sided shield metal case
- EMC ..... Compliance to EN55022 class B,  
EN61000-4-2,3,4,5,6,8, FCC part15 class B

Model No.	Input (VDC)	Output (VDC)	Current (A)	R&N (mVp-p)
SDM30-12S3	9~18	3.3	5.0	75
SDM30-12S5	9~18	5	5.0	75
SDM30-12S12	9~18	12	2.1	100
SDM30-12S15	9~18	15	1.7	100
SDM30-24S3	18~36	3.3	5.0	75
SDM30-24S5	18~36	5	5.0	75
SDM30-24S12	18~36	12	2.5	100
SDM30-24S15	18~36	15	2.0	100
SDM30-48S3	36~72	3.3	5.0	75
SDM30-48S5	36~72	5	5.0	75
SDM30-48S12	36~72	12	2.5	100
SDM30-48S15	36~72	15	2.0	100

❖ Dual Output

Model No.	Input (VDC)	Output (VDC)	Current (mA)	R&N (mVp-p)
DKA30A-05	9~18	$\pm 5$	$\pm 2500$	100
DKA30A-12	9~18	$\pm 12$	$\pm 1250$	100
DKA30A-15	9~18	15	$\pm 1000$	100
DKA30B-05	18~36	$\pm 5$	$\pm 2500$	100
DKA30B-12	18~36	$\pm 12$	$\pm 1250$	100
DKA30B-15	18~36	$\pm 15$	$\pm 1000$	100
DKA30C-05	36~72	$\pm 5$	$\pm 2500$	100
DKA30C-12	36~72	$\pm 12$	$\pm 1250$	100
DKA30C-15	36~72	$\pm 15$	$\pm 1000$	100

❖ Triple Output

Model No.	Input (VDC)	Output (VDC)	Current (mA)	R&N (mVp-p)
TKA30A-B	9~18	+5 / $\pm 12$	3500 / $\pm 310$	100
TKA30A-C	9~18	+5 / $\pm 15$	3500 / $\pm 250$	100
TKA30B-B	18~36	+5 / $\pm 12$	3500 / $\pm 310$	100
TKA30B-C	18~36	+5 / $\pm 15$	3500 / $\pm 250$	100
TKA30C-B	36~72	+5 / $\pm 12$	3500 / $\pm 310$	100
TKA30C-C	36~72	+5 / $\pm 15$	3500 / $\pm 250$	100

### 50W DC-DC Regulated Single Output

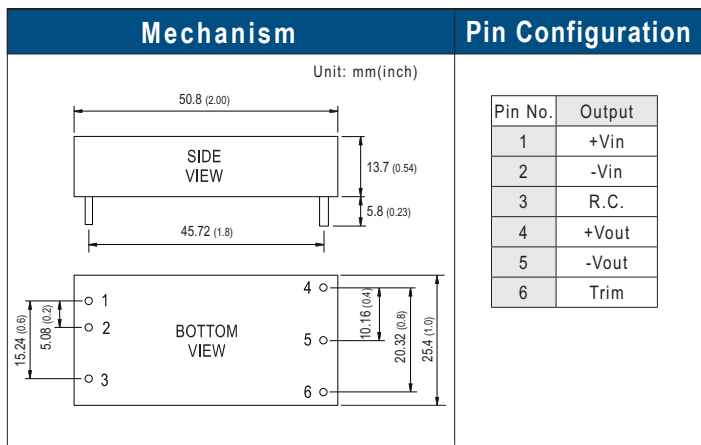


- 2"x1" compact size
- 2:1 wide input range
- 1500VDC I/O isolation
- High efficiency up to 92%
- Built-in remote ON/OFF control
- Built-in EMI filter
- Trimming output ( $\pm 10\%$ )
- Protections:
  - Short circuit / Overload / Input and output over voltage
- Cooling by free air convection
- Six-sided shield metal case
- 100% full load burn-in test
- Low cost, high reliability
- 2 years warranty

### 40~60W DC-DC Regulated Single Output

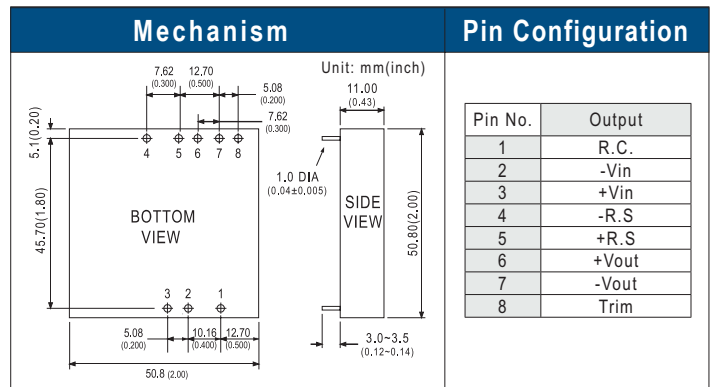


- 2"x2" compact size
- 2:1 wide input range
- 1500VDC I/O isolation
- High efficiency up to 93%
- Built-in remote ON/OFF control
- Built-in remote sense
- Built-in EMI filter
- Trimming output ( $\pm 10\%$ )
- Protections:
  - Short circuit / Overload / Input and output over voltage
- Cooling by free air convection
- 100% full load burn-in test
- Low cost, high reliability
- Output 3.3V/9V models available for SKA40
- Output 3.3V available for SKA60
- 2 years warranty



- Voltage set point accuracy ....  $\pm 2\%$  (max.)
- Line regulation .....  $\pm 0.2\%$  (max.)
- Load regulation .....  $\pm 0.5\%$  (max.) @ 10~100% load
- Efficiency ..... 92% (typical)
- Short circuit protection ..... Continuous, auto-recovery
- Overload protection ..... 110%~180%, auto-recovery
- I/O isolation voltage ..... 1500VDC (min.)
- I/O isolation resistance ..... 100M $\Omega$  (min.)@ 500VDC
- Working temperature ..... -40~+75°C (refer to output derating curve)
- Storage temperature ..... -55°C to +125°C
- Temp. Coefficient .....  $\pm 0.03\%$  / °C (max.)
- Case material ..... Six-sided shield metal case
- EMC ..... Compliance to EN55022 class A, EN61000-4-2,3,4,5,6,8, FCC part15 class A

Model No.	Input (VDC)	Output (VDC)	Current (A)	R&N (mVp-p)
SKM50B-05	18~36	5	10	60
SKM50B-12	18~36	12	4.17	80
SKM50B-15	18~36	15	3.33	100
SKM50C-05	36~75	5	10	60
SKM50C-12	36~75	12	4.17	80
SKM50C-15	36~75	15	3.33	100



- Voltage set point accuracy ...  $\pm 2\%$  (max.)
- Line regulation .....  $\pm 0.5\%$  (max.)
- Load regulation .....  $\pm 0.5\%$  (max.) @ 10~100% load
- Overload protection ..... 110%~180%, auto-recovery
- Over voltage protection ..... Clamp by TVS diode
- Efficiency (typical)..... 92% for SKA40; 93% for SKA60
- I/O isolation voltage ..... 1500VDC(min.)
- I/O isolation resistance ..... 100M $\Omega$ (min.) @500VDC
- Working temperature ..... -40~+80°C(refer to output derating curve) for SKA40
- ..... -40~+70°C(refer to output derating curve) for SKA60
- Storage temperature ..... -55°C to +105°C
- Case Material ..... Six-sided shield metal case
- EMC ..... Compliance to EN55022 class A, EN61000-4-2,3,4,5,6,8, FCC part15 class A

Model No.	Input (VDC)	Output (VDC)	Current (A)	R&N (mVp-p)
SKA40A-05	9~18	5	7.00	60
SKA40A-12	9~18	12	3.33	80
SKA40A-15	9~18	15	2.67	100
SKA40B-05	18~36	5	7.00	60
SKA40B-12	18~36	12	3.33	80
SKA40B-15	18~36	15	2.67	100
SKA40C-05	36~75	5	7.00	60
SKA40C-12	36~75	12	3.33	80
SKA40C-15	36~75	15	2.67	100

Model No.	Input (VDC)	Output (VDC)	Current (A)	R&N (mVp-p)
SKA60A-05	9~18	5	12	60
SKA60A-12	9~18	12	5	80
SKA60A-15	9~18	15	4	100
SKA60B-05	18~36	5	12	60
SKA60B-12	18~36	12	5	80
SKA60B-15	18~36	15	4	100
SKA60C-05	36~75	5	12	60
SKA60C-12	36~75	12	5	80
SKA60C-15	36~75	15	4	100



**Customer Satisfaction** —  
Today's effort, tomorrow's reward. Continuously improve CQTS to satisfy customer is our goal.