



MEAN WELL

SWITCHING POWER SUPPLY

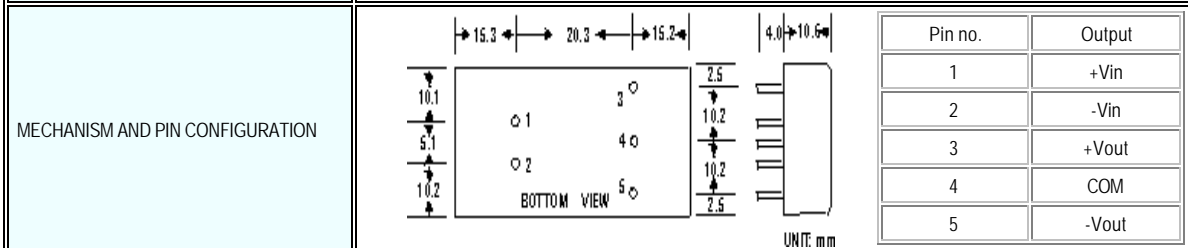
ISO-9001 CERTIFIED MANUFACTURER

DKE10A SERIES

- .2:1 WIDE INPUT RANGE
- .4:1 INPUT IS AVIALABLE
- .REGULATED DC OUTPUT
- .500VDC I/P ISOLATION
- 1K-3KVDC ISOLATION IS AVAILABLE
- .LOW PROFILE / SMALL SIZE
- .EPOXY ENCAPSULATED
- .HIGH PERFORMACE / LOW COST
- .SHORT CIRCUIT PROTECTION
- .OVER CURRENT PROTECTION
- .FREE AIR CONVECTION
- .100% BURN-IN TEST
- .1 YEAR WARRANTY



MODEL	DKE10A-05	DKE10A-12	DKE10A-15	DKE10A-24
SPECIFICATION				
DC OUTPUT VOLTAGE	±5V	±12V	±15V	±24V
OUTPUT VOLTAGE ACCURACY	±2%			
OUTPUT RATED CURRENT	±1000mA	±420mA	±333mA	±210mA
OUTPUT CURRENT RANGE	100-±1000mA	42-±420mA	33.3-±333mA	21-±210mA
RIPPLE & NOISE	50mVp-p	60mVp-p	60mVp-p	80mVp-p
LINE REGULATION	± 0.3%	±0.3%	±0.3%	±0.3%
LOAD REGULATION	± 2%	± 2%	± 2%	± 2%
DC OUTPUT POWER	10W	10W	10W	10W
EFFICIENCY	82% (TYPICAL)			
SWITCHING FREQUENCY	300KHz (TYPICAL)			
INPUT VOLTAGE RANGE	9-18VDC			
INPUT CURRENT	1.1A/12VDC; 23mA @ NO LOAD (TYPICAL)			
SHORT CIRCUIT PROTECTION	CONTINUOUS			
OVER CURRENT PROTECTION	160-250% AUTO RECOVERY			
TEMP. COEFFICIENT	±0.02% / °C (0-50°C)			
ISOLATION VOLTAGE	I/P-O/P:500VDC MIN.			
ISOLATION RESISTANCE	I/P-O/P:500VDC / 100M Ohms MIN.			
TRANSIENT RESPONSE	<250u sec. FOR 25% LOAD STEP CHANGE			
WORKING TEMP., HUMIDITY	-15°C~+60°C, 20%-90% RH (NO DERATING); 80% LOAD @ 71°C			
STORAGE TEMP., HUMIDITY	-25°C~+85°C, 10%~95% RH			
DIMENSION	2"*1"*0.42"			
WEIGHT	32g			
CASE MATERIAL	SIX-SIDED SHIELD METAL CASE			



- NOTE :
- 1.ALL PARAMETERS ARE SPECIFIED AT RATED INPUT, RATED LOAD, 25°C 70% RH. AMBIENT.
 - 2.RIPPLE & NOISE ARE MEASURED AT 20MHz BY USING A 12" TWISTED PAIR TERMINATED WITH A 0.1uF & 47uF CAPACITOR.
 - 3.LINE REGULATION IS MEASURED FROM LOW LINE TO HIGH LINE AT RATED LOAD.
 - 4.LOAD REGULATION IS MEASURED FROM 20% TO 100% RATED LOAD.

2000-04-17



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SWITCHING POWER SUPPLY

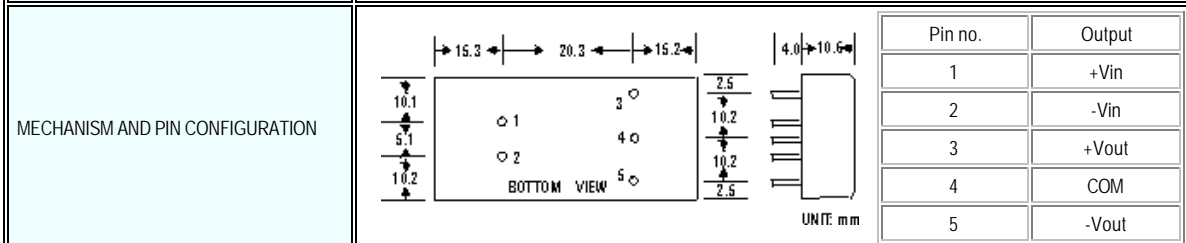
ISO-9001 CERTIFIED MANUFACTURER

DKE10B SERIES

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|----------------------------------|-----------------------------|
| .2:1 WIDE INPUT RANGE | .HIGH PERFORMACE / LOW COST |
| .4:1 INPUT IS AVIALABLE | .SHORT CIRCUIT PROTECTION |
| .REGULATED DC OUTPUT | .OVER CURRENT PROTECTION |
| .500VDC I/P ISOLATION | .FREE AIR CONVECTION |
| .1K-3KVDC ISOLATION IS AVAILABLE | .100% BURN-IN TEST |
| .LOW PROFILE / SMALL SIZE | .1 YEAR WARRANTY |
| .EPOXY ENCAPSULATED | |



MODEL	DKE10B-05	DKE10B-12	DKE10B-15	DKE10B-24
SPECIFICATION				
DC OUTPUT VOLTAGE	±5V	±12V	±15V	±24V
OUTPUT VOLTAGE ACCURACY	±2%			
OUTPUT RATED CURRENT	±1000mA	±420mA	±333mA	±210mA
OUTPUT CURRENT RANGE	100-±1000mA	42-±420mA	33.3-±333mA	21-±210mA
RIPPLE & NOISE	50mVp-p	60mVp-p	60mVp-p	80mVp-p
LINE REGULATION	± 0.3%	±0.3%	±0.3%	±0.3%
LOAD REGULATION	± 2%	± 2%	± 2%	± 2%
DC OUTPUT POWER	10W	10W	10W	10W
EFFICIENCY	84% (TYPICAL)			
SWITCHING FREQUENCY	300KHz (TYPICAL)			
INPUT VOLTAGE RANGE	18-36VDC			
INPUT CURRENT	0.55A/24VDC; 13mA @ NO LOAD (TYPICAL)			
SHORT CIRCUIT PROTECTION	CONTINUOUS			
OVER CURRENT PROTECTION	160-250% AUTO RECOVERY			
TEMP. COEFFICIENT	±0.02% / °C (0-50°C)			
ISOLATION VOLTAGE	I/P-O/P:500VDC MIN.			
ISOLATION RESISTANCE	I/P-O/P:500VDC / 100M Ohms MIN.			
TRANSIENT RESPONSE	<250u sec. FOR 25% LOAD STEP CHANGE			
WORKING TEMP., HUMIDITY	-15°C~+60°C, 20%-90% RH (NO DERATING); 80% LOAD @ 71°C			
STORAGE TEMP., HUMIDITY	-25°C~+85°C, 10%~95% RH			
DIMENSION	2"*1"*0.42"			
WEIGHT	32g			
CASE METERIAL	SIX-SIDED SHIELD METAL CASE			



- NOTE :
- 1.ALL PARAMETERS ARE SPECIFIED AT RATED INPUT, RATED LOAD, 25°C 70% RH. AMBIENT.
 - 2.RIPPLE & NOISE ARE MEASURED AT 20MHz BY USING A 12" TWISTED PAIR TERMINATED WITH A 0.1uF & 47uF CAPACITOR.
 - 3.LINE REGULATION IS MEASURED FROM LOW LINE TO HIGH LINE AT RATED LOAD.
 - 4.LOAD REGULATION IS MEASURED FROM 20% TO 100% RATED LOAD.

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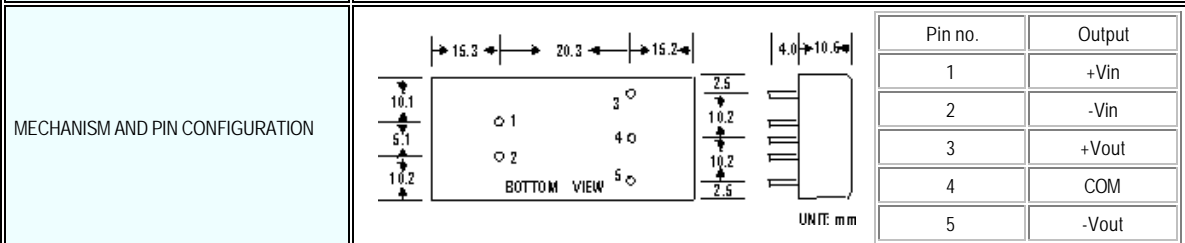
ISO-9001 CERTIFIED MANUFACTURER

DKE10C SERIES

- | | |
|----------------------------------|-----------------------------|
| .2:1 WIDE INPUT RANGE | .HIGH PERFORMACE / LOW COST |
| .4:1 INPUT IS AVIALABLE | .SHORT CIRCUIT PROTECTION |
| .REGULATED DC OUTPUT | .OVER CURRENT PROTECTION |
| .500VDC I/P ISOLATION | .FREE AIR CONVECTION |
| .1K-3KVDC ISOLATION IS AVAILABLE | .100% BURN-IN TEST |
| .LOW PROFILE / SMALL SIZE | .1 YEAR WARRANTY |
| .EPOXY ENCAPSULATED | |



MODEL	DKE10C-05	DKE10C-12	DKE10C-15	DKE10C-24
SPECIFICATION				
DC OUTPUT VOLTAGE	±5V	±12V	±15V	±24V
OUTPUT VOLTAGE ACCURACY	±2%			
OUTPUT RATED CURRENT	±1000mA	±420mA	±333mA	±210mA
OUTPUT CURRENT RANGE	100-±1000mA	42-±420mA	33.3-±333mA	21-±210mA
RIPPLE & NOISE	50mVp-p	60mVp-p	60mVp-p	80mVp-p
LINE REGULATION	±0.3%	±0.3%	±0.3%	±0.3%
LOAD REGULATION	±2%	±2%	±2%	±2%
DC OUTPUT POWER	10W	10W	10W	10W
EFFICIENCY	85% (TYPICAL)			
SWITCHING FREQUENCY	300KHz (TYPICAL)			
INPUT VOLTAGE RANGE	36-72VDC			
INPUT CURRENT	0.28A/48VDC; 12mA @ NO LOAD (TYPICAL)			
SHORT CIRCUIT PROTECTION	CONTINUOUS			
OVER CURRENT PROTECTION	160-250% AUTO RECOVERY			
TEMP. COEFFICIENT	±0.02% / °C (0-50°C)			
ISOLATION VOLTAGE	I/P-O/P:500VDC MIN.			
ISOLATION RESISTANCE	I/P-O/P:500VDC / 100M Ohms MIN.			
TRANSIENT RESPONSE	<250u sec. FOR 25% LOAD STEP CHANGE			
WORKING TEMP., HUMIDITY	-15°C~+60°C, 20%-90% RH (NO DERATING); 80% LOAD @ 71°C			
STORAGE TEMP., HUMIDITY	-25°C~+85°C, 10%~95% RH			
DIMENSION	2"*1"*0.42"			
WEIGHT	32g			
CASE METERIAL	SIX-SIDED SHIELD METAL CASE			



- NOTE :
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