

MEAN WELL SWITCHING POWER SUPPLY ISO-9001 CERTIFIED MANUFACTURER

DKE10A SERIES

.2:1 WIDE INPUT RANGE	.SIX-SIDED SHIELD OF METAL CASE					
.4:1 INPUT IS AVIALABLE	.HIGH PERFORMACE / LOW COST					
.REGULATED DC OUTPUT	.SHORT CIRCUIT PROTECTION					
.1K VDC I/P ISOLATION	OVER CURRENT PROTECTION					
1K~3KVDC ISOLATION (OPTIONAL)	.FREE AIR CONVECTION					
.LOW PROFILE / SMALL SIZE .EPOXY ENCAPSULATED	.100% BURN-IN TEST					
	.1 YEAR WARRANTY					
ORDER NO. SPECIFICATION	DKE10A-05	DKE10A-12	DKE10A-15	DKE10A-24		
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	±0.5%	±0.5%	±0.5%	±0.5%		
DC OUTPUT POWER	10W	10W	10W	10W		
EFFICIENCY	78%	80%	82%	82%		
SWITCHING FREQUENCY		250KHz (1	TYPICAL)			
INPUT VOLTAGE RANGE	9~18VDC					
INPUT CURRENT	1.1A/12VDC; 30mA @ NC	LOAD (TYPICAL)				
SHORT CIRCUIT PROTECTION	CONTINOUS					
OVER CURRENT PROTECTION	160~250% AUTO RECOVERY					
TEMP. COEFFICIENT	±0.03% / °C (0~50°C)					
ISOLATION VOLTAGE	VP-O/P:1K VDC MIN.					
ISOLATION RESISTANCE	VP-0/P:100M Ohms MIN. @500VDC					
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"*0.44"					
WEIGHT	32g					
CASE METERIAL	SIX-SIDED SHIELD OF ME	ETAL CASE				
	→ 15.3 → 20.3 → 15.2 ↓ 4.0 → 11.2 ↓ Pin no. Output					
MECHANISM AND PIN CONFIGURATION						
	10.1 <u>-</u> 01	30 2.5 10.2 40	2	-Vin		
	10.2 POTTOM	10.2	3	+Vout		
	вотто м	VIEW - 2.5	UNIT: mm	COM		
			5	-Vout		
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 0.10F & 470F CAPACITOR.						
3.LINE REGULATION IS MEASURED FROM 20% TO 100% RATED LOAD. 4.LOAD REGULATION IS MEASURED FROM 20% TO 100% RATED LOAD.						
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MEAN WELL SWITCHING POWER SUPPLY ISO-9001 CERTIFIED MANUFACTURER

DKE10B SERIES

.2:1 WIDE INPUT RANGE	.SIX-SIDED SHIELD OF METAL CASE						
.4:1 INPUT IS AVAILABLE	.HIGH PERFORMANCE / LOW COST						
.REGULATED DC OUTPUT	SHORT CIRCUIT PROTECTION						
.1K VDC I/P ISOLATION .1K~3KVDC ISOLATION (OPTIONAL)							
.LOW PROFILE / SMALL SIZE	.FREE AIR CONVECTION .100% BURN-IN TEST						
.EPOXY ENCAPSULATED	.1 YEAR WARRANTY						
ORDER NO. SPECIFICATION	DKE10B-05	DKE10B-12	DKE10B-15	DKE10B-24			
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	±0.5%	±0.5%	±0.5%	±0.5%			
DC OUTPUT POWER	10W	10W	10W	10W			
EFFICIENCY	81%	80%	80%	81%			
SWITCHING FREQUENCY		250KHz (TYPICAL)				
INPUT VOLTAGE RANGE	18~36VDC						
INPUT CURRENT	0.53A/24VDC; 16mA @ N	O LOAD (TYPICAL)					
SHORT CIRCUIT PROTECTION	CONTINUOUS	CONTINUOUS					
OVER CURRENT PROTECTION	160~250% AUTO RECOVERY						
TEMP. COEFFICIENT	±0.03% / °C (0~50°C)						
ISOLATION VOLTAGE	VP-0/P:1K VDC MIN.						
ISOLATION RESISTANCE	VP-0/P:100M Ohms MIN. @500VDC						
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"*0.44"						
WEIGHT	32g						
CASE MATERIAL	SIX-SIDED SHIELD OF ME	TAL CASE					
	<u> </u>		Din no	Output			
MECHANISM AND PIN CONFIGURATION	→ 15.3 → ≥ 20.3 → → 15.2 → 4.0 → 11.2 ● Pin no. Output 1 + Vin 1 1 + Vin 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1						
	10.1 3° 2.5 - Vin						
	01 51 02	40		+Vout			
	10.2 ВОТТО М	VIEW ⁵ © <u>2.5</u>		COM			
			UNIT: mm 5	-Vout			
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	M 20% TO 100% RATED LOAD.			2003-01-10			



MEAN WELL SWITCHING POWER SUPPLY ISO-9001 CERTIFIED MANUFACTURER

DKE10C SERIES

SPECIFICATION ±5V ±12V ±15V DC OUTPUT VOLTAGE ±5V ±12V ±15V OUTPUT VOLTAGE ACCURACY ±2% OUTPUT RATED CURRENT ±1000mA ±420mA ±333mA OUTPUT CURRENT RANGE 100-±1000mA 42-±420mA 33.3-±333mA 2*	KE10C-24 ±24V					
.REGULATED DC OUTPUT .SHORT CIRCUIT PROTECTION .1K VDC I/P ISOLATION .OVER CURRENT PROTECTION .1K-3KVDC ISOLATION (OPTIONAL) .FREE AIR CONVECTION .LOW PROFILE / SMALL SIZE .100% BURN-IN TEST .EPOXY ENCAPSULATED .1 YEAR WARRANTY ORDER NO. DKE10C-05 DKE10C-12 DKE10C-15 DH DC OUTPUT VOLTAGE ±5V ±12V ±15V ±2% OUTPUT VOLTAGE ACCURACY ±1000mA ±420mA ±333mA ± OUTPUT CURRENT RANGE 100-±1000mA 42-±420mA 33.3-±333mA 2*	±24V					
.1K VDC I/P ISOLATION .OVER CURRENT PROTECTION .1K-3KVDC ISOLATION (OPTIONAL) .FREE AIR CONVECTION .LOW PROFILE / SMALL SIZE .100% BURN-IN TEST .EPOXY ENCAPSULATED .1 YEAR WARRANTY ORDER NO. DKE10C-05 DKE10C-12 DKE10C-15 DC OUTPUT VOLTAGE ±5V ±12V ±15V OUTPUT VOLTAGE ACCURACY ±2% 0UTPUT CURRENT 100-±1000mA 42-±420mA 33.3-±333mA 21 RIPPLE & NOISE 50mVp-p 60mVp-p 60mVp-p 6	±24V					
.1K-3KVDC ISOLATION (OPTIONAL) .FREE AIR CONVECTION .LOW PROFILE / SMALL SIZE .100% BURN-IN TEST .EPOXY ENCAPSULATED .1 YEAR WARRANTY ORDER NO. DKE10C-05 DKE10C-12 DKE10C-15 DH DC OUTPUT VOLTAGE ±5V ±12V ±15V 100 OUTPUT VOLTAGE ACCURACY ±1000mA ±420mA ±333mA 20 OUTPUT CURRENT RANGE 100-±1000mA 42-±420mA 33.3-±333mA 20 RIPPLE & NOISE 50mVp-p 60mVp-p 60mVp-p 60	±24V					
.LOW PROFILE / SMALL SIZE .100% BURN-IN TEST .EPOXY ENCAPSULATED .1 YEAR WARRANTY ORDER NO. DKE10C-05 SPECIFICATION DKE10C-12 DC OUTPUT VOLTAGE ±5V ±5V ±12V 0UTPUT VOLTAGE ACCURACY ±2% OUTPUT CURRENT ±1000mA 42-±420mA 33.3-±333mA 21 SOMVP-p	±24V					
.EPOXY ENCAPSULATED .1 YEAR WARRANTY ORDER NO. DKE10C-05 DKE10C-12 DKE10C-15 DH DC OUTPUT VOLTAGE ±5V ±12V ±15V ± OUTPUT VOLTAGE ACCURACY ±2% ± 0UTPUT RATED CURRENT ±1000mA ±420mA ±333mA ± OUTPUT CURRENT RANGE 100-±1000mA 42-±420mA 33.3-±333mA 2 2 RIPPLE & NOISE 50mVp-p 60mVp-p 60mVp-p 6 6	±24V					
ORDER NO. SPECIFICATION DKE10C-05 DKE10C-12 DKE10C-15 DH DC OUTPUT VOLTAGE ±5V ±12V ±15V ± OUTPUT VOLTAGE ACCURACY ±2% ± ± ± ± ± ± ± 100 ± ± ± 100 ± ± ± 100 ± ± 100 100	±24V					
SPECIFICATION DKE10C-05 DKE10C-12 DKE10C-15 DH DC OUTPUT VOLTAGE ±5V ±12V ±15V OUTPUT VOLTAGE ACCURACY ±2% OUTPUT RATED CURRENT ±1000mA ±420mA ±333mA OUTPUT CURRENT RANGE 100-±1000mA 42-±420mA 33.3-±333mA 2' RIPPLE & NOISE 50mVp-p 60mVp-p 60mVp-p	±24V					
OUTPUT VOLTAGE ACCURACY ±2% OUTPUT RATED CURRENT ±1000mA ±420mA ±333mA ± OUTPUT CURRENT RANGE 100-±1000mA 42-±420mA 33.3-±333mA 2* RIPPLE & NOISE 50mVp-p 60mVp-p 60mVp-p 6						
OUTPUT RATED CURRENT ±1000mA ±420mA ±333mA ± OUTPUT CURRENT RANGE 100-±1000mA 42-±420mA 33.3-±333mA 2' RIPPLE & NOISE 50mVp-p 60mVp-p 60mVp-p 8						
OUTPUT CURRENT RANGE 100-±1000mA 42-±420mA 33.3-±333mA 21 RIPPLE & NOISE 50mVp-p 60mVp-p 60mVp-p 8						
RIPPLE & NOISE 50mVp-p 60mVp-p 60mVp-p 8	±210mA					
	1-±210mA					
LINE REGULATION ±0.3% ±0.3%	80mVp-p					
	±0.3%					
LOAD REGULATION ±0.5% ±0.5% ±0.5%	±0.5%					
DC OUTPUT POWER 10W 10W 10W	10W					
EFFICIENCY 82% 83% 84%	85%					
SWITCHING FREQUENCY 250KHz (TYPICAL)						
INPUT VOLTAGE RANGE 36~72VDC						
INPUT CURRENT 0.27A/48VDC; 8mA @ NO LOAD (TYPICAL)						
SHORT CIRCUIT PROTECTION CONTINUOUS						
OVER CURRENT PROTECTION 160~250% AUTO RECOVERY	160~250% AUTO RECOVERY					
TEMP. COEFFICIENT ±0.03% / °C (0~50°C)	±0.03% / °C (0~50°C)					
ISOLATION VOLTAGE VP-O/P:1K VDC MIN.						
ISOLATION RESISTANCE /P-O/P:500VDC / 100M Ohms MIN.	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	-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"*0.44"						
WEIGHT 32g						
CASE MATERIAL SIX-SIDED SHIELD OF METAL CASE						
Pin no.	Output					
	+Vin					
	-Vin					
MECHANISM AND PIN CONFIGURATION	+Vout					
10.2 BOTTOM VIEW ⁵ ↔ <u>2.5</u> → 4	COM					
UNIT: mm 5	-Vout					
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.						