

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			
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	CONTINOUS						
OVER CURRENT PROTECTION	160~250% AUTO RECOVERY						
TEMP. COEFFICIENT	±0.02% / °C (0~50°C)						
ISOLATION VOLTAGE	VP-O/P:500VDC MIN.						
ISOLATION RESISTANCE	//P-O/P:500VDC / 100M Ohms MIN.						
TRANSIENT RESPONSE	<						
WORKING TEMP., HUMIDITY							
STORAGE TEMP., HUMIDITY	-25°C~+85°C, 10%~95% RH						
DIMENSION	2"*1"*0.42"						
WEIGHT	32g						
CASE METERIAL	SIX-SIDED SHIELD METAL CASE						
MECHANISM AND PIN CONFIGURATION	→ 15.3 → 2	· · · _ ·	.0 ∔ 10.6• Pin no.	Output			
	10.1	3°		+Vin			
	<u> </u>	40	2	-Vin			
		10.2 F	3	+Vout COM			
	10.2 воттом			-Vout			
NOTE : 1.ALL PARAMETERS ARE SPECIFIED A 2.RIPPLE & NOISE ARE MEASURED AT			447uf CAPACITOR.]			
3.LINE REGULATION IS MEASURED FR 4.LOAD REGULATION IS MEASURED FI		fed load.		2000-04-17			

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MEAN WELL SWITCHING POWER SUPPLY ISO-9001 CERTIFIED MANUFACTURER

DKE10B 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	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	± 2%	± 2%	± 2%	± 2%		
DC OUTPUT POWER	10W	10W	10W	10W		
EFFICIENCY		84% (TY	PICAL)			
SWITCHING FREQUENCY	300KHz (TYPICAL)					
INPUT VOLTAGE RANGE	18-36VDC					
INPUT CURRENT	0.55A/24VDC; 13mA @ NO LOAD (TYPICAL)					
SHORT CIRCUIT PROTECTION	CONTINOUS					
OVER CURRENT PROTECTION	160~250% AUTO RECOVERY					
TEMP. COEFFICIENT	±0.02% / °C (0~50°C)					
ISOLATION VOLTAGE	VP-0/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					
MECHANISM AND PIN CONFIGURATION	→ 15.3 → Z 10.1 5.1 0 1 5.1 0 2 10.2 BOTTOM	30 30 40 102 102 102 102 102 102 102 10	4.0 → 10.5 → Pin no. 1 2 3 UNITE mm 5	Output +Vin -Vin +Vout COM -Vout		
NOTE: 1.ALL PARAMETERS ARE SPECIFIED AT 2.RIPPLE & NOISE ARE MEASURED AT 3.LINE REGULATION IS MEASURED FRO 4.LOAD REGULATION IS MEASURED FR	20MHz BY USING A 12" TWISTED PA DM LOW LINE TO HIGH LINE AT RA	AIR TERMINATED WITH A 0.1uF &	47uf CAPACITOR.	2000-04-17		



MEAN WELL SWITCHING POWER SUPPLY ISO-9001 CERTIFIED MANUFACTURER

DKE10C SERIES

.2:1 WIDE INPUT RANGE .4:1 INPUT IS AVIALABLE .REGULATED DC OUTPUT .500VDC I/P ISOLATION .1K-3KVDC ISOLATION IS AVAILABLE	.SHORT CIRCUI	VACE / LOW COST IT PROTECTION IT PROTECTION				
.REGULATED DC OUTPUT .500VDC I/P ISOLATION	.OVER CURREN					
.500VDC I/P ISOLATION		IT PROTECTION	10-			
				ALTACATORY		
1K_3KV/DC ISOLATION IS AVAILABLE	.FREE AIR CON			and all		
	.100% BURN-IN			N		
LOW PROFILE / SMALL SIZE	.1 YEAR WARRANTY					
.EPOXY ENCAPSULATED	<u></u>					
MODEL SPECIFICATION COM	DKE10C-05	DKE10C-12	DKE10C-15	DKE10C-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	±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	CONTINOUS					
OVER CURRENT PROTECTION	160-250% AUTO RECOVERY					
TEMP. COEFFICIENT	±0.02% / °C (0-50°C)					
ISOLATION VOLTAGE	/P-0/P:500VDC MIN.					
ISOLATION RESISTANCE	// -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	-13 C~+80 C, 20%~90% RH (NO DERATING), 80% LOAD @ 71 C					
DIMENSION	2°*1"*0.42"					
WEIGHT	32q					
CASE METERIAL	SIX-SIDED SHIELD METAL CASE					
			Diama	Qutrut		
MECHANISM AND PIN CONFIGURATION	→ 15.3 → 20		4.0 → 10.6 = Pin no.	Output		
	$\begin{array}{c c} \hline & & & \\ \hline 10.1 \\ \hline \bullet 1 \\ \hline \end{array} \\ \hline \end{array} \\ \hline \begin{array}{c} 2.5 \\ \hline 10.2 \\ \hline \end{array} \\ \hline \end{array} \\ \hline \begin{array}{c} 1 \\ \hline \end{array} \\ \hline \end{array} \\ \hline \begin{array}{c} 1 \\ \hline \end{array} \\ \hline \end{array} \\ \hline \begin{array}{c} 1 \\ \hline \end{array} \\ \hline \end{array} \\ \hline \begin{array}{c} 1 \\ \hline \end{array} \\ \hline \end{array} \\ \hline \end{array} \\ \hline \begin{array}{c} 1 \\ \hline \end{array} \\ \hline \end{array} \\ \hline \end{array} \\ \hline \begin{array}{c} 1 \\ \hline \end{array} \\ \hline \begin{array}{c} 1 \\ \hline \end{array} \\ \hline \begin{array}{c} 1 \\ \hline \end{array} \\ \\ \hline \end{array} \\ \hline \end{array} \\ \hline \end{array} \\ \\ \hline \end{array} \\ \hline \end{array} \\ \hline \end{array} \\ \hline \end{array} \\ \\ \\ \hline \end{array} \\ \\ \\ \hline \end{array} \\ \\ \\ \\$					
	5.1 40 - - 2					
	$\begin{array}{c c} & \circ z \\ \hline 10z \\ 10z \\ \hline 10z \\$					
	- <u>-</u>		UNIT: mm 5	-Vout		