

MEAN WELL SWITCHING POWER SUPPLY ISO-9001 CERTIFIED MANUFACTURER

DKE15A SERIES

.2:1 WIDE INPUT RANGE	.HIGH PERFORMANCE / LOW COST						
.4:1 INPUT IS AVAILABLE	.SHORT CIRC	SHORT CIRCUIT PROTECTION					
.REGULATED DC OUTPUT	.OVER CURRI	OVER CURRENT PROTECTION					
.1K VDC I/P ISOLATION	.FREE AIR CO	FREE AIR CONVECTION					
.1K~3KVDC ISOLATION (OPTIONAL)	.100% BURN-IN TEST						
.EPOXY ENCAPSULATED	.1 YEAR WARRANTY						
ORDER NO. SPECIFICATION	DKE15A-05	DKE15A-12	DKE15A-15		DKE15A-24		
DC OUTPUT VOLTAGE	±5V	±12V	±15V		±24V		
OUTPUT VOLTAGE ACCURACY	±2%						
OUTPUT RATED CURRENT	±1500mA	±625mA	±500mA		±313mA		
OUTPUT CURRENT RANGE	150-±1500mA	62.5-±625mA	50-±500mA		31.3-±313mA		
RIPPLE & NOISE	50mVp-p	60mVp-p	60mVp-p		80mVp-p		
	±0.3%	±0.3%	±0.3%		±0.3%		
LOAD REGULATION	±0.5%	±0.5%	±0.5%		±0.5%		
DC OUTPUT POWER	15W	15W	15W		15W		
EFFICIENCY	81%	82%	82%		82%		
SWITCHING FREQUENCY							
INPUT VOLTAGE RANGE	150KHz (TYPICAL)						
INPUT CURRENT							
	1.7A/12VDC; 40mA @ NO LOAD (TYPICAL)						
SHORT CIRCUIT PROTECTION							
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	/P-O/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"*2"*0.43"						
WEIGHT	65g						
CASE MATERIAL	SIX-SIDE SHIELD OF METAL CASE						
MECHANISM AND PIN CONFIGURATION		00) 30 + 15.2 + (.598) 3 - (.598) 3 - (.598) 4 - (.402) 5 - (.402) 4 - (.402) 4 - (.402) 5 -	11.0 (.433) F UNIT: mm (inch)	Pin no. 1 1 2 3 4 5 1	Output +Vin -Vin +Vout COM -Vout		
NOTE: 1.ALL PARAMETERS ARE SPECIFIED AT		70% RH AMBIENT	(Y				
1.01E. 1.ALL PARAMETERS ARE SPECIFIED AT 2.RIPPLE & NOISE ARE MEASURED AT 2 3.LINE REGULATION IS MEASURED FROM 4.LOAD REGULATION IS MEASURED FRO	0MHz by USING A 12" TWISTED PAIL I LOW LINE TO HIGH LINE AT RATED	R TERMINATED WITH A 0.1uF & 47u	F CAPACITOR.		2003-01-10		
ALOND REGULATION IS MEASURED FRU	2070 TO TOVIO NATED LUAD.				2003-01-10		



MEAN WELL SWITCHING POWER SUPPLY ISO-9001 CERTIFIED MANUFACTURER

DKE15B SERIES

.2:1 WIDE INPUT RANGE	.HIGH PERFO	RMANCE / LOW COST			
.4:1 INPUT IS AVAILABLE	.SHORT CIRC	UIT PROTECTION		URA	
.REGULATED DC OUTPUT	OVER CURRENT PROTECTION				
.1K VDC I/P ISOLATION	.FREE AIR CO	NVECTION		and a second	
.1K~3KVDC ISOLATION (OPTIONAL)	.100% BURN-IN TEST				
.EPOXY ENCAPSULATED	.1 YEAR WARRANTY				
ORDER NO. SPECIFICATION	DKE15B-05	DKE15B-12	DKE15B-15	DKE15B-24	
DC OUTPUT VOLTAGE	±5V	±12V	±15V	±24V	
OUTPUT VOLTAGE ACCURACY	±2%				
OUTPUT RATED CURRENT	±1500mA	±625mA	±500mA	±313mA	
OUTPUT CURRENT RANGE	150-±1500mA	62.5-±625mA	50-±500mA	31.3-±313mA	
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	15W	15W	15W	15W	
EFFICIENCY	83%	83%	83%	84%	
SWITCHING FREQUENCY	150KHz (TYPICAL)				
INPUT VOLTAGE RANGE	18-36VDC				
INPUT CURRENT	0.8A/24VDC; 20mA @ NO LOAD (TYPICAL)				
SHORT CIRCUIT PROTECTION	CONTINUOUS				
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	/P-O/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"*2"*0.43"				
WEIGHT	65g				
CASE MATERIAL	SIX-SIDE SHIELD OF METAL CASE				
	22.8	15.2		+Vin	
		3-° 10.20	2	-Vin	
MECHANISM AND PIN CONFIGURATION	50.8 (.200)	4-0 (402)	3	+Vout	
	5.10 (.200) BOTTOM M	s-1 (.402)	4	СОМ	
	BOTTOM VIEW ±0.06 1.0000Ax SPLCS 5 -Vout				
	(.040) UNIT: mm (inch)				
NOTE: 1.ALL PARAMETERS ARE SPECIFIED AT	RATED INPUT, RATED LOAD 25°C	70% RH. AMBIENT	(r		
LILLE PARAMETERS ARE SPECIFIED AT LINE RAWING ARE ARE MEASURED AT 2 LINE REGULATION IS MEASURED FROM 4.LOAD REGULATION IS MEASURED FROM	0MHz BY USING A 12" TWISTED PAI 1 LOW LINE TO HIGH LINE AT RATED	R TERMINATED WITH A 0.1uF & 47u	F CAPACITOR.	2003-01-10	



MEAN WELL SWITCHING POWER SUPPLY ISO-9001 CERTIFIED MANUFACTURER

DKE15C SERIES

.2:1 WIDE INPUT RANGE	.HIGH PERFO	RMANCE / LOW COST				
.4:1 INPUT IS AVAILABLE	.SHORT CIRC	UIT PROTECTION		ARE AND		
.REGULATED DC OUTPUT	.OVER CURRENT PROTECTION					
.1K VDC I/P ISOLATION	.FREE AIR CONVECTION					
.1K~3KVDC ISOLATION (OPTIONAL)	.100% BURN-IN TEST					
.EPOXY ENCAPSULATED	.1 YEAR WAR	RANTY				
ORDER NO.	DKE15C-05	DKE15C-12	DKE15C-15	DKE15C-24		
DC OUTPUT VOLTAGE	±5V	±12V	±15V	±24V		
OUTPUT VOLTAGE ACCURACY	±2%					
OUTPUT RATED CURRENT	±1500mA	±625mA	±500mA	±313mA		
OUTPUT CURRENT RANGE	150-±1500mA	62.5-±625mA	50-±500mA	31.3-±313mA		
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	15W	15W	15W	15W		
EFFICIENCY	79%	82%	82%	85%		
SWITCHING FREQUENCY	150KHz (TYPICAL)					
INPUT VOLTAGE RANGE	36-72VDC					
INPUT CURRENT	0.4A/48VDC; 10mA @ NO LOAD (TYPICAL)					
SHORT CIRCUIT PROTECTION	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	//P-O/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	-15 C-+60 C, 20%-70% RH (NO DERATING), 60% LOAD @ 71 C					
DIMENSION	2*2*0.43*					
WEIGHT	65g					
CASE MATERIAL	osg SIX-SIDE SHIELD OF METAL CASE					
	l\$0	18 J comm				
		.30 + 15.2 - (.22)	11.0			
		00) (.598)	Pin no.	Output		
MECHANISM AND PIN CONFIGURATION	22.8 (.898)	2	1	+Vin		
	\$0.8 -1 (200)	4-0 (.402)	2	-Vin		
	5.10	s-o	3	+Vout		
	(200) BOTTOM VI	ENV ± 0.06		COM -Vout		
	1.0000kx sPLCS					
			(inch)			
NOTE: 1.ALL PARAMETERS ARE SPECIFIED AT						
2.RIPPLE & NOISE ARE MEASURED AT 2 3.LINE REGULATION IS MEASURED FROM			IT CAPACITUR.	2003-01-10		