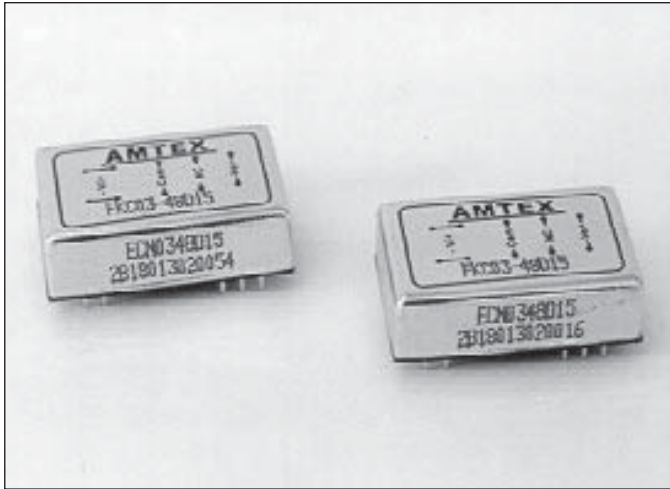


FKC08 SERIES

DC/DC Single & Dual Converters: 8 Watts



Features

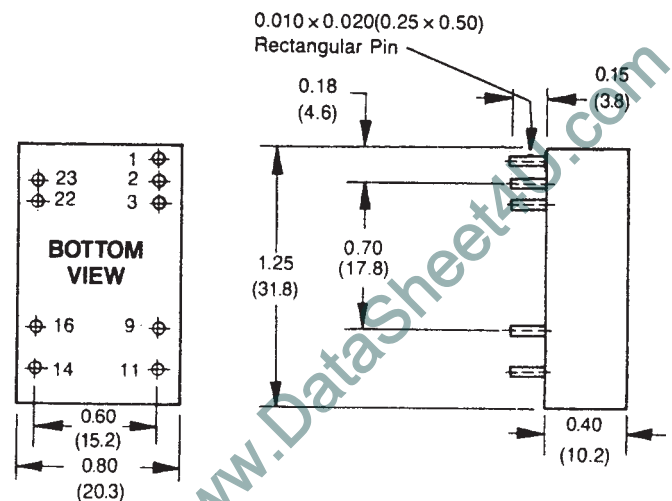
- Wide input 2:1 range
- Standard 24 DIP or SMD type option - **SMD**
- Nickel coated copper shield
- EMC EN55022, Immunity EN61000-4
- Isolation 1,600V
- Safety approvals to EN60950, UL1950
- High operating temperature 85°C
- High MTBF 3,053,000 hours
- Overcurrent protection

Specifications

INPUT VOLTAGE:	12VDC (9~18) 24VDC (18~36) 48VDC (36~75)
INPUT FILTER:	Pi type
INPUT SURGE VOLTAGE:	12V/36V, 24V/50V, 48V/100V (100ms max)
EFFICIENCY:	Model dependent 80 - 85%
START UP TIME:	600ms typical with constant resistor load
VOLTAGE ACCURACY:	±2%
VOLTAGE ADJUSTMENT:	N/A
MINIMUM LOAD:	10% to meet regulation/specifications
LINE REGULATION:	±0.2% at constant 100% load
LOAD REGULATION:	±0.5% single, ±1% dual, 10%~100% load
RIPPLE & NOISE:	50mV p-p 20MHz bandwidth
OVERLOAD PROTECTION:	Continuous, auto recovery. Hiccup mode
TRANSIENT RESPONSE:	Recovery time 200µs 25% load step
ISOLATION VOLTAGE:	1600 VDC
SWITCHING FREQUENCY:	300KHz typical
SAFETY STANDARD:	IEC950, UL1950, EN60950
CASE MATERIAL:	Nickel-coated copper shield
OPERATING TEMP:	-40°C to +65°C, derate to 50% @ 85°C
HUMIDITY:	5% to 95% RH
COOLING:	Free air convection
SHOCK & VIBRATION:	MIL-STD-810D
EMC:	Meets EN55022 A
IMMUNITY:	EN61000-4-2, -3, -4, -5, -6
CAPACITOR LOADING:	Model dependent, consult office
DIMENSIONS & WEIGHT:	31.8 x 20.3 x 10.2mm 18g
REMOTE ON/OFF: (Ref - VE Input)	DC ON: Open or 3.5V <VR <12V DC OFF: Short or 0V <Vr <1.2V

Model	Input V	Output		Power W
		V	A	
FKC08 - 12S33	12V	3.3V	2000mA	8.0W
FKC08 - 12S05	12V	5V	1500mA	8.0W
FKC08 - 12S12	12V	12V	666mA	8.0W
FKC08 - 12S15	12V	15V	533mA	8.0W
FKC08 - 12D05	12V	±5V	800mA	8.0W
FKC08 - 12D12	12V	±12V	333mA	8.0W
FKC08 - 12D15	12V	±15V	267mA	8.0W
FKC08 - 24S33	24V	3.3V	2000mA	8.0W
FKC08 - 24S05	24V	5V	1500mA	8.0W
FKC08 - 24S12	24V	12V	666mA	8.0W
FKC08 - 24S15	24V	15V	533mA	8.0W
FKC08 - 24D05	24V	±5V	800mA	8.0W
FKC08 - 24D12	24V	±12V	333mA	8.0W
FKC08 - 24D15	24V	±15V	267mA	8.0W
FKC08 - 48S33	48V	3.3V	2000mA	8.0W
FKC08 - 48S05	48V	5V	1500mA	8.0W
FKC08 - 48S12	48V	12V	666mA	8.0W
FKC08 - 48S15	48V	15V	533mA	8.0W
FKC08 - 48D05	48V	±5V	800mA	8.0W
FKC08 - 48D12	48V	±12V	333mA	8.0W
FKC08 - 48D15	48V	±15V	267mA	8.0W

Pin#	Single	Dual
1	ON/OFF	ON/OFF
2	-Vin	-Vin
3	-Vin	-Vin
9	NC	Common
11	NC	-Vout
14	+Vout	+Vout
16	-Vout	Common
22	+Vin	+Vin
23	+Vin	+Vin



All dimensions in inches (mm)