

D10/D(A)15

S E R I E S



10 & 15 Watts DIP Type Wide Input DC - DC Converters



FEATURES

- ◆ 10 & 15 Watts Dc/Dc Converters
- ◆ Regulated Output
- ◆ 4:1 & 2:1 Input Range
- ◆ Metal Case
- ◆ Input Pi Filter
- ◆ 2"x2" Package
- ◆ High Efficiency Up To 83%
- ◆ 2"x1" Package

SPECIFICATIONS

Input Voltage/Range.....See Model List
 Input Filter.....Pi Network
 Reverse Input Protection.....Internal shunt Diode,Use External Fuse
 Output Voltage Accuracy.....± 0.3% (Max)
 Line Regulation(HL-LL).....± 0.2% (Max)
 Load Regulation.....(FL-10%FL).....± 0.2% (Max)
 R&N(20MHz BW).....(5V/12V).....100mVp-p (Max)
 (15V/24V).....120mVp-p (Max)
 Switching Frequency.....200KHz (Min)
 Min. Load.....(Single Out.....None);(Dual Out.....10% each Output)
 Efficiency.....See Model List
 Short circuit Protection.....Continuous
 Temperature Coefficient.....± 0.02%/°C (Max)
 I/O Isolation Voltage.....1500VDC Min
 Operating Temperature.....-25 To+ 71°C (No Derating)
 Storage Temperature-55°C To +100°C
 Cooling.....Free-Air Convection
 Case Material.....Black Coated Metal With Non-Conductive Base

All Specifications are Typical at Nominal Line, full Load and 25°C.
 Unless Otherwise Noted.

Model Number	Input Voltage (VDC)	Output Voltage (VDC)	Output Current (mA)	EFF. % (Min.)
10W Output				
D10-x0	See Note	3.3	2400	78
D10-x1	See Note	5	2000	78
D10-x2	See Note	12	830	80
D10-x3	See Note	15	670	81
D10-x9	See Note	24	416	82
D10-x4	See Note	± 5	± 1000	77
D10-x5	See Note	± 12	± 416	81
D10-x6	See Note	± 15	± 333	81
D10-x6A	See Note	± 24	± 208	79
15W Output				
D(A)15-x0	See Note	3.3	3600	75
D(A)15-x1	See Note	5	3000	77
D(A)15-x2	See Note	12	1250	80
D(A)15-x3	See Note	15	1000	80
D(A)15-x9	See Note	24	625	81
D(A)15-x4	See Note	± 5	± 1500	77
D(A)15-x5	See Note	± 12	± 625	80
D(A)15-x6	See Note	± 15	± 500	80

Note:

1. Input Voltage: x=1, Range: 9-18VDC, Nominal Line 12VDC.
 x=2, Range: 18-36VDC, Nominal Line 24VDC.
 x=3, Range: 36-72VDC, Nominal Line 48VDC.
 x=4, Range: 9-36VDC, Nominal Line 12VDC.
 x=5, Range: 18-72VDC, Nominal Line 24VDC.
2. Model No.: DA15-x9 & DA15-x0 available for 2:1 Input Range Only.
3. Case EA for D10/D15, case GA for DA15.

DC/DC Converter

MECHANICAL DRAWING (Unit: inch(mm))

