



75W Quarter Brick Type 14:1 High Input Voltage Isolated DC - DC Converters

FEATURES

- ◆ Fully Protected (OTP/OCP/OVP/UVLO) / 5000m Operating Altitude
- ◆ 3000Vac I/O Isolation / Regulated Outputs
- ◆ Low No Load Consumption
- ◆ Shock & Vibration EN50155 (EN61373) Compliant
- ◆ Fire & Smoke EN45545-2 Compliant
- ◆ EN50155 Compliant With External Circuit

SPECIFICATIONS

Input Voltage Range	72V(Range12-160V)
Undervoltage lockout	Turn-on: 10.7~11.7VDC
	Turn-off: 9.7~10.7VDC
	Lockout Hysteresis: 1.0VDC
Remote On/Off Logic	See note
Input Filter.....	Pi Type
Voltage Accuracy.....	±1% max
Output Voltage Trim Range (others).....	-20~+15%
Output Voltage Trim Range (54V)	-20~+10%
Temperature Coefficient	± 0.02%/°C max
Short Circuit Protection	Continuous, Auto Recovery
Line Regulation (High line to Low line).....	± 0.2% max
Load Regulation (Full load to No Load).....	± 0.2% max
Over Voltage Protection (others).....	117~140%
Over Voltage Protection (54V)	112~140%
OCP(Hiccup mode, Auto Recovery)	110%~180%
Isolation Voltage	Input to Output3000Vac
	Input to Case(Base Plate)2100Vac
	Output to Case(Base Plate).....1500Vac
Isolation Resistance.....	100M Ω min
Operating Case Temperature.....	-40°C to +105°C
Storage Temperature Range.....	-55°C to +125°C
Case Material.....	Aluminum Baseplate w/plastic Case
Weight.....	66g

Model Number	Input Voltage (VDC)	Output Voltage (VDC)	Output Current (A)	No Load Input Current	EFF. Typ. %	Capacitor Load Max.
DUQB075-91-X	12-160	5	15.0	20mA	89	15000μF
DUQB075-92-X	12-160	12	6.30	20mA	88	6300μF
DUQB075-93-X	12-160	15	5.00	20mA	89.5	5000μF
DUQB075-99-X	12-160	24	3.12	15mA	89.5	3120μF
DUQB075-99C-X	12-160	28	2.70	15mA	91	2700μF
DUQB075-99D-X	12-160	54	1.40	20mA	91	750μF
DUQB075-91N-X	12-160	5	15.0	20mA	89	15000μF
DUQB075-92N-X	12-160	12	6.30	20mA	88	6300μF
DUQB075-93N-X	12-160	15	5.00	20mA	89.5	5000μF
DUQB075-99N-X	12-160	24	3.12	15mA	89.5	3120μF
DUQB075-99CN-X	12-160	28	2.70	15mA	91	2700μF
DUQB075-99DN-X	12-160	54	1.40	20mA	91	750μF

Note

1. Nominal Input Voltage 72 VDC
 2. An External Input Capacitor 220uF for All Models are Recommended to Reduce Input Ripple Voltage
 3. Remote ON/OFF Logic Compatibility.....Open collector Refer To -V Pin
- Suffix = Blank, Positive Remote Logic.
 Logic Low (Module OFF)..... 0 to < 1.2V
 Logic High (Module ON)..... 3.5 or open circuit to <160V
 Suffix = N, Negative Remote Logic.
 Logic High (Module OFF)..... 3.5 or open circuit to <160V
 Logic Low (Module ON)..... 0 to < 1.2V
 Suffix "-X" = -C, clear mounting insert (3.2mmDIA.)
 Suffix "-X" = -B, with Bus & External UVLO function
 Suffix "-X" = -C-B, clear mounting insert (3.2mmDIA.) and with Bus & External UVLO function

MECHANICAL DRAWING (Unit: inch(mm))

