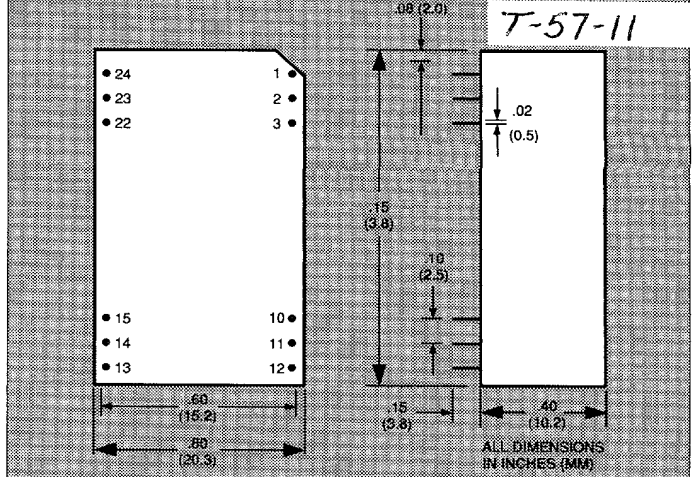
T-57-11

SERIES Q

- MICROMINIATURE
- 1.2 TO 2 WATTS
- REGULATED
- 24 PIN DIP
- UP TO 48 VOLTS IN
- ISOLATION < 20 PH
- 150 KHZ SWITCHING
- CURRENT AND THERMAL LIMITING
- ECONOMICAL



PIN	SINGLE OUTPUT	DUAL OUTPUT
1	+ V INPUT	+ V INPUT
2	NC*	-V OUTPUT
3	NC*	COMMON
10	-V OUTPUT	COMMON
11	+V OUTPUT	+V OUTPUT
12	-V INPUT	-V INPUT
13	-V INPUT	-V INPUT
14	+V OUTPUT	+V OUTPUT
15	-V OUTPUT	COMMON
22	NC*	COMMON
23	NC*	-V OUTPUT
24	+V INPUT	+V INPUT

* No Connection Single Output Models

ELECTRICAL SPECIFICATIONS

Regulation for Line ..... ±0.3%
Regulation for Load ..... ±0.4%
Output Voltage Accuracy ..... ±5%
Output Ripple & Noise ..... 20mV p-p
(10 mfd tantalum across each output) .....
Short Circuit Protection ..... Continuous
5V Input Models ..... 4.5 VDC to 5.5 VDC
12V Input Models ..... 10.8 VDC to 13.2 VDC

Efficiency ..... 50% Typ.
Switching Frequency ..... 150 Khz Typ.
Reflected Ripple ..... 30 mA Typ.
Isolation
Voltage ..... 300 VDC min.
Capacitance ..... 20 pf Typ.
Resistance ..... 1 x 10^9 Ohms min.
Operating Temp. ..... -25°C to +71°C
Storage Temp. ..... -40°C to +125°C

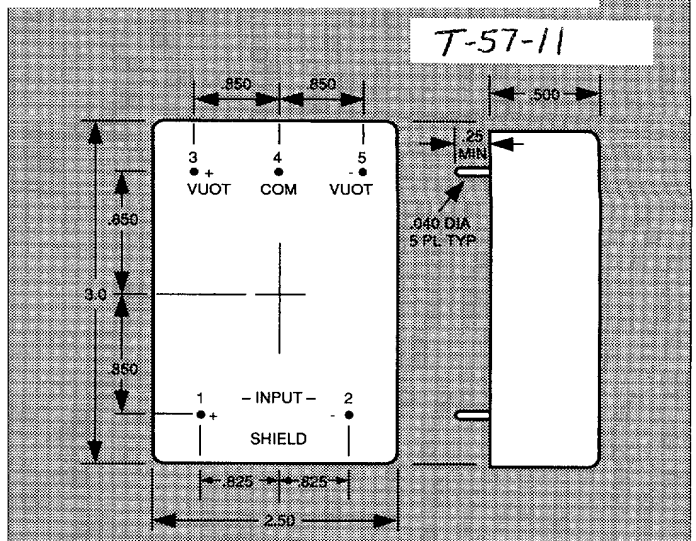
INPUT VOLTAGE	OUTPUT VOLTAGE	OUTPUT CURRENT	INPUT CURRENT NO LOAD	INPUT CURRENT FULL LOAD	MODEL NO.
5 VDC	5 VDC	100mA	65mA	260mA	QR5S5
	12 VDC	80mA	90mA	380mA	QR5S12
	15 VDC	65mA	90mA	380mA	QR5S15
	± 12 VDC	40mA	90mA	380mA	QR5D12
	± 15 VDC	33mA	90mA	380mA	QR5D15
12 VDC	5 VDC	100mA	20mA	100mA	QR12S5
	12 VDC	80mA	28mA	145mA	QR12S12
	15 VDC	65mA	28mA	145mA	QR12S15
	± 12 VDC	40mA	28mA	145mA	QR12D12
	± 15 VDC	33mA	28mA	145mA	QR12D15

F.O.B. FACTORY
NET 30 DAYS

T-57-11

SERIES U

- 7.5 WATT
- LOW PROFILE
- HIGH ISOLATION
- LOW NOISE OUT
- > 100 KHZ SWITCHING
- CURRENT LIMITED
- LOGIC SHUTDOWN OPTION
- 6 SIDED SHIELDED CASE



	SINGLE	DUAL
1	+ VIN	+ VIN
2	-VIN	-VIN
3	NC	+VO
4	+VO	COM
5	-VO	-VO
6	SHIELD	–

ELECTRICAL SPECIFICATIONS

REGULATION

Line ..... .02%
Load Single Outputs ..... .05%
Dual Outputs ..... .02%

OUTPUT SPECIFICATIONS

Voltage Accuracy 1%
Ripple & Noise Single Outputs 20 mV, RMS, 50 mV PK/PK max.
Dual Outputs 11 mV, RMS, 35 mV PK/PK max.
Short Circuit Protection ..... Continuous

SINGLE OUTPUT

OUTPUT VOLTAGE	INPUT CURRENT	% EFF	INPUT VOLTAGE MODEL NUMBER 5 VDC	12 VDC	15 VDC	24 VDC	48 VDC
5 VDC	40 mA	70	U5SB5/1.5	U12SB5/1.5	U15SB5/1.5	U24SB5/1.5	U48SB5/1.5
6 VDC	40 mA	70	U5SB6/1.2	U12SB6/1.2	U15SB6/1.2	U24SB6/1.2	U48SB6/1.2
12 VDC	40 mA	70	U5SB12/.6	U12SB12/.6	U15SB12/.6	U24SB12/.6	U48SB12/.6
15 VDC	40 mA	70	U5SB15/.5	U12SB15/.5	U15SB15/.5	U24SB15/.5	U48SB15/.5
24 VDC	40 mA	70	U5SB24/.3	U12SB24/.3	U15SB24/.3	U24SB24/.3	U48SB24/.3

DUAL OUTPUTS

5 VDC	40 mA	70	U5SB5/1.5	U12SB5/1.5	U15SB5/1.5	U24SB5/1.5	U48SB5/1.5
6 VDC	40 mA	70	U5SB6/1.2	U12SB6/1.2	U15SB6/1.2	U24SB6/1.2	U48SB6/1.2
12 VDC	40 mA	70	U5SB12/.6	U12SB12/.6	U15SB12/.6	U24SB12/.6	U48SB12/.6
15 VDC	40 mA	70	U5SB15/.5	U12SB15/.5	U15SB15/.5	U24SB15/.5	U48SB15/.5
24 VDC	40 mA	70	U5SB24/.3	U12SB24/.3	U15SB24/.3	U24SB24/.3	U48SB24/.3

F.O.B. FACTORY
NET 30 DAYS