

ELECTRICAL SPECIFICATIONS³ (100V - 900V)

OUTPUT VOLTAGE*2	Q MODELS - 0.50 Watt			QH MODELS - 1.25 Watt		
	MODEL	MAXIMUM OUTPUT CURRENT*1	RIPPLE P-P	MODEL	MAXIMUM OUTPUT CURRENT*1	RIPPLE P-P*5
CENTER TAP: 0 TO (+) AND (-) Vout						
0 to +/- 50 VDC	Q01CT	5.000 mA	<1.000 %	QH01CT	12.500 mA	<2.500 %
0 to +/- 75 VDC	Q015CT	3.333 mA	<0.500 %	QH015CT	8.333 mA	<1.125 %
0 to +/-100 VDC	Q02CT	2.500 mA	<0.250 %	QH02CT	6.250 mA	<1.125 %
0 to +/-125 VDC	Q025CT	2.000 mA	<0.250 %	QH025CT	5.000 mA	<1.125 %
0 to +/-150 VDC	Q03CT	1.667 mA	<0.250 %	QH03CT	4.167 mA	<1.125 %
0 to +/-175 VDC	Q035CT	1.429 mA	<0.250 %	QH035CT	3.571 mA	<1.125 %
0 to +/-200 VDC	Q04CT	1.250 mA	<0.100 %	QH04CT	3.125 mA	<0.500 %
0 to +/-225 VDC	Q045CT	1.111 mA	<0.150 %	QH045CT	2.778 mA	<0.625 %
0 to +/-250 VDC	Q05CT	1.000 mA	<0.150 %	QH05CT	2.500 mA	<0.625 %
0 to +/-300 VDC	Q06CT	0.833 mA	<0.100 %	QH06CT	2.083 mA	<0.500 %
0 to +/-350 VDC	Q07CT	0.714 mA	<0.250 %	QH07CT	1.786 mA	<0.625 %
0 to +/-400 VDC	Q08CT	0.625 mA	<0.300 %	QH08CT	1.563 mA	<1.0 %
0 to +/-450 VDC	Q09CT	0.556 mA	<0.250 %	QH09CT	1.389 mA	<1.0 %

PARAMETER	VALUE
INPUT VOLTAGE	0 to 5, 12, 15 or 24 VOLTS
TYPICAL TURN-ON VOLTAGE	<0.7 VOLTS
ISOLATION	< +/- 500 VDC BIAS ON OUTPUT RETURN (PIN4)
OUTPUT VOLTAGE TOLERANCE	+10%, -10% (AT 100% OUTPUT, FULL LOAD)
FREQUENCY	75-500KHZ (TYPICAL)
CONTROL PIN	0 to VIN (SEE PAGE 12 FOR DETAILS)
STORAGE TEMPERATURE	-55 to +105°C
STANDARD OPERATING TEMPERATURE	-25 to +70°C ⁴ (CASE)
EXTENDED OPERATING TEMPERATURE	-55 to +75°C ⁴ (CASE) [Q models / 0.5W]

VIN	INPUT CURRENT			
	Q MODELS - 0.50 Watt		QH MODELS - 1.250 Watt	
	NO-LOAD	FULL-LOAD	NO-LOAD	FULL-LOAD
5 VDC	<100 mA	<250 mA	<250 mA	<550 mA
12 VDC	<40 mA	<100 mA	<100 mA	<250 mA
15 VDC	<32 mA	<80 mA	<80 mA	<200 mA
24 VDC	<20 mA	<50 mA	<50 mA	<125 mA

ELECTRICAL SPECIFICATIONS^{*3} (1,000V - 2,000V)

OUTPUT VOLTAGE*2	Q MODELS - 0.50 Watt			QH MODELS - 1.25 Watt		
	MODEL	MAXIMUM OUTPUT CURRENT*1	RIPPLE P-P	MODEL	MAXIMUM OUTPUT CURRENT*1	RIPPLE P-P
POSITIVE						
0 to +1000 VDC	Q10	0.500 mA	<0.250 %	QH10	1.250 mA	<1.0%
0 to +1200 VDC	Q12	0.417 mA	<0.250 %	QH12	1.042 mA	<1.0%
0 to +1500 VDC	Q15	0.333 mA	<0.250 %	QH15	0.833 mA	<1.0%
0 to +2000 VDC	Q20	0.250 mA	<0.250 %	QH20	0.625 mA	<1.0%
NEGATIVE						
0 to -1000 VDC	Q10N	0.500 mA	<0.250 %	QH10N	1.250 mA	<1.0%
0 to -1200 VDC	Q12N	0.417 mA	<0.250 %	QH12N	1.042 mA	<1.0%
0 to -1500 VDC	Q15N	0.333 mA	<0.250 %	QH15N	0.833 mA	<1.0%
0 to -2000 VDC	Q20N	0.250 mA	<0.250 %	QH20N	0.625 mA	<1.0%

PARAMETER	VALUE
INPUT VOLTAGE	0 to 5, 12, 15 or 24 VOLTS
TYPICAL TURN-ON VOLTAGE	<0.7 VOLTS
ISOLATION	< +/- 500 VDC BIAS ON OUTPUT RETURN (PIN4)
OUTPUT VOLTAGE TOLERANCE	+10%, -10% (AT 100% OUTPUT, FULL LOAD)
FREQUENCY	75-500KHZ (TYPICAL)
CONTROL PIN	0 to VIN (SEE PAGE 12 FOR DETAILS)
STORAGE TEMPERATURE	-55 to +105°C
STANDARD OPERATING TEMPERATURE	-25 to +70°C*4 (CASE)
EXTENDED OPERATING TEMPERATURE	-55 to +75°C*4 (CASE) [Q models / 0.5W]

	INPUT CURRENT			
	Q MODELS - 0.50 Watt		QH MODELS - 1.250 Watt	
VIN	NO-LOAD	FULL-LOAD	NO-LOAD	FULL-LOAD
5 VDC	<100 mA	<250 mA	<250 mA	<550 mA
12 VDC	<40 mA	<100 mA	<100 mA	<250 mA
15 VDC	<32 mA	<80 mA	<80 mA	<200 mA
24 VDC	<20 mA	<50 mA	<50 mA	<125 mA