





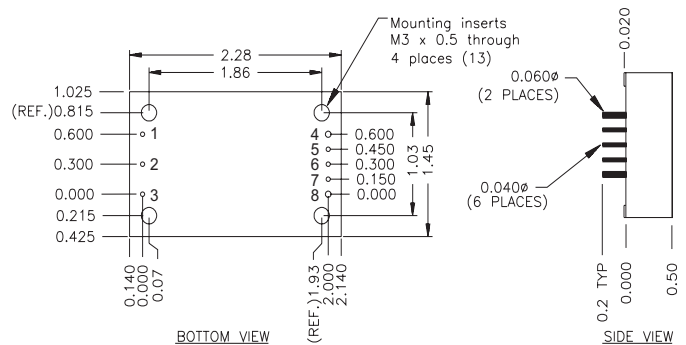


# 75 WATT QH SINGLE SERIES DC/DC CONVERTERS



General Specifications			
All Models			Units
<b>Remote ON/OFF Function</b>			
HIGH Logic Level or Leave ON/OFF Pin Open	MIN	3.0	VDC
External Leakage Current Allowed for Logic High (9)	MAX	20	µA
Input Diode Protection Voltage	MAX	50	VDC
LOW Logic Level or Tie ON/OFF Pin to -INPUT	MAX	0.8	VDC
Sinking Current for Logic Low	MAX	2	mA
	MAX	4	mA
Open Circuit Voltage at Primary ON/OFF Pin (10)	TYP	5.6	VDC
	TYP	1.5	VDC
Idle Current (Module is OFF)	TYP	6	mADC
Turn-on Time to 1% error	TYP	8	ms
Positive Logic Option	HIGH - Module ON LOW - Module OFF		
Negative Logic Option	HIGH - Module OFF LOW - Module ON		
<b>Output Voltage Trim</b>			
Trim Range	MIN MAX	±10	% of Vout
Input Resistance 2.5V and 3.3V	TYP	5	kΩ
Input Resistance All other voltages	TYP	10	kΩ
Open Circuit Voltage 2.5V and 3.3V	TYP	1.22	V
Open Circuit Voltage All other voltages	TYP	2.5	V
<b>Output Voltage Remote Sensing</b>			
Maximum Voltage Drops on Leads	MAX	0.5	VDC
Line Regulation under remote sensing	TYP	0.02	%
	MAX	0.5	%
Load Regulation under remote sensing	TYP	0.05	%
	MAX	0.5	%
<b>Sense and Trim Limit</b>			
Maximum Output Voltage	MAX	110	% of Vout
<b>Isolation</b>			
Input to Output Isolation 10µA Leakage Vnom = 24 V models	MAX	700	VDC
	MAX	1544	VDC
<b>Environmental</b>			
Calculated MTBF, Bellcore Method 1, Case 1	>1,000,000		h
Baseplate Operating Temperature Range	MIN	-40	°C
	MAX	100	°C
Storage Temperature	MIN MAX	-40 120	°C
Thermal Impedance (11)	TYP	9	°C/W

General Specifications			
All Models			Units
Thermal Shutdown Baseplate Temperature (Auto Restart)	MIN	100	°C
	TYP	110	
<b>General</b>			
Case Dimension	2.28" x 1.45" x 0.50"		
Agency Approvals - Designed to Meet	UL/CUL 60950		
Chassis Mounting Kit	MS21		
Torque on Mounting Inserts	MAX	12 in. lbs.	



TOLERANCE: ALL DIMENSIONS ARE TYPICAL IN INCHES UNLESS OTHERWISE NOTED:	
X.XX	±0.020
X.XXX	±0.005

Pin	Name	Pin Dia.
1	-INPUT	0.04"
2	ON/OFF	0.04"
3	+INPUT	0.04"
4	-OUTPUT	0.06"
5	-SENSE	0.04"
6	TRIM	0.04"
7	+ SENSE	0.04"
8	+ OUTPUT	0.06"