

APPLICATION		REVISIONS		DESCRIPTION		DATE		APPROVED	
NEXT ASSY		USED ON		PICO PART# 94026					
ELECTRICAL CHARACTERISTICS						Test Conditions: 25° C ambient			
INPUT VOLTAGE						600-1000VDC			
OUTPUT VOLTAGE						175.0 VDC			
OUTPUT VOLTAGE TOLERANCE						±1.00%			
AT FULL LOAD						±1.00%			
MAX. LOAD REGULATION						10% - F.L.			
MAX. LINE REGULATION						±1.00%			
TYPICAL EFFICIENCY						87%			
@800V Input, 250W Output						MAX. OUTPUT POWER			
250 Watts						OUTPUT VOLTAGE RIPPLE			
480mV p-p typ.						OPERATING TEMP. RANGE			
0° C to +85° C						(Max. Base Temp. of 85° C)			
INPUT UNDERVOLTAGE SHUTDOWN						580VDC (typical)			
INPUT OVERVOLTAGE SHUTDOWN						1020VDC (typical)			
THERMAL SHUTDOWN						90° C to 100° C			
(baseplate)						OPERATING FREQUENCY			
100 KHz (typical)						ISOLATION			
BASE TO INPUT						2121 VDC			
BASE TO OUTPUT						2121 VDC			
INPUT TO OUTPUT						2121 VDC			
CURRENT LIMIT SET POINT						130%FL (typical)			
* USING PROPER THERMAL MANAGEMENT						Use 0.7Amp, fast-blow fuse for protection.			
BOTTOM VIEW						(2 Pcs)			
0.080 Ø						2.100			
1.800						1.000			
4.150						4.600			
1.800						0.150 Ø			
0.040 Ø						x3(Pics)			
0.500						x 6 Mounting			
0.500						Inserts (6 Pics)			
0.430 Typ.						0.150 Ø			
0.090						0.500			
2.500						0.800			
UNLESS OTHERWISE SPECIFIED						DIMENSIONS ARE IN INCHES			
TOLERANCES ON						DEC. ANGLES			
DRAWING STARTED						DATE			
DRAWN						Pico Electronics, Inc.			
CHECKED						143 SPARKS AV. PELHAM, NEW YORK, 10803-1837			
ENGR						Monterey Bay Aquarium Research Inst.			
8/11/16						SCALE			
FINISH:						SIZE			
FORM 041-7						APPROVED BY: L.S.			
7/01						REV.			
CONTROLLED						SHEET			