

PN: SL-PA-060G180-80
6~18GHz, 80W, SSPA

ELECTRICAL SPECIFICATIONS				
Parameter	Min	Typ	Max	Unit
Frequency Range	6		18	GHz
Psat	50	80		W
Power Gain		50		dB
Power Gain Flatness			±5	dB
VSWR			2:1	-
Harmonics		-20	-10	dBc
Spurious			-60	dBc
Input Power			10	dBm
Input and Output Impedance		50		Ohms
DC Voltage		+28		VDC
Power Consumption		500	600	W

ENVIRONMENTAL SPECIFICATIONS				
Parameter	Min	Typ	Max	Unit
Operating Temp.	-30		+55	°C
Storage Temp.	-40		+85	°C

MECHANICAL SPECIFICATIONS		
Parameter	Value	Unit
Dimension	200×120×23	mm
Weight	1.5	kg
RF Connectors	Input: SMA-F Output: N-F	-
Control Connector	D-Sub 17-Pin Male	-
Cooling	External Heatsink	-

PROTECTION/RUGGEDNESS
● Over temperature
● Over voltage
● Over current

CONTROL CONNECTOR

Pin#	Description	Specification
A1	VCC	+28V
A2	GND	+28V Ground
1~3	N/C	No Connection
4	Temp. Monitor	Analog voltage relative to module's temp. @ 10mV/°C
5	Current Monitor	Analog voltage relative to IDD @ 100mV per ampere
6	Summary Fault Monitor	Summary Fault Monitor
7	Enable	Amplifier Enable: TTL Logic High(5V) (Internally pulled-low)
8	GND	Ground
9~15	N/C	No Connection

OUTLINE DRAWING
