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X-Band, 8.5-10.5 GHz Pulsed PA General Specifications (within any 0.6 GHz band)

Small-signal Gain	40 dB Min
Gain Flatness	± 0.6 dB to ± 1.5 dB Max
NF	2.5 dB Max
VSWR In	2.00:1 Max
VSWR Out	1.50:1 Max
P1dB Out	+39 dBm Min, up to +40.5 dBm Typ
Psat	41 dBm Typ
Maximum input	0 dBm
Max Duty Cycle	25% Min
Max Pulse Width	100 μ s Min
Pulse Droop	0.2 dB Max
Harmonics (@P1dB)	-20 dBc Typ
Rise Time (RF)	<10 ns Typ
Fall Time (RF)	<10 ns Typ
Turn-on Delay	200 ns Max
Turn-off Delay	100 ns Max
RF Protection	Output Isolator
Voltage Supply	+12 VDC
DC and control connector	Micro-sub D
Peak Current Supply @ DC=10%, PW=60 μ s	Up to 6 A peak, Typ @ 10 W
Off-state current draw	100 mA Max
Outline	185798
DC Control Signal	TTL
Detector Output	~1.85V Typ @10W
Alarm – over current and over temperature	TTL High (optional)