

# OK, WE ADMIT IT... WE'RE INTO MUSCLE AMPLIFIERS



Daico 2kW Amplifier Driver  
with 55 dB gain (combined)

## Our custom High-Power Amplifiers outperform the competition's right from the bench.

**W**e've taken the lead again! Daico Industries is lifting amplifier stats higher in a new high-efficiency, high-gain amplifier that's hard to beat.

Our amplifiers provide a new standard in power, efficiency and reliability in the L-Band range. And this 2kW design with an output of +63.3 dBm provides extra advantages and features others can't, all in one package. Like uniform thermal performance for large and short pulse, thermal sharing between transistors, controls for monitoring power output, reverse power and temperature, and excellent flatness across bandwidth. Plus, they're fully protected for VSWR mismatch all phases. What's more, our unique modular design supports manufacturability, repeatability and serviceability developed and refined over more than 35 years in the IF/RF/microwave field.

That's why we can offer, "More power to your radar systems designers!" by simply calling: 310 507 5670.

### ELECTRICAL SPECIFICATIONS

PARAMETER	MIN	TYP	MAX	UNIT	NOTES
Frequency	1.2		1.4	GHz	
Small Signal Gain	53	55	58	dB	
VSWR In/Out			1:2/1		In 50 ohm
RF Out, P <sub>10B</sub> Comp.		+63	63.3	dBm	
Harmonics Out II, III	50	55		dBc	
Gain Tracking	-0.3	0.2	+0.3	dB	Unit-to-unit
Phase Tracking between amplifiers	-1.0	±0.5	+1.0	degree	Unit-to-unit
VSWR Withstand Under Full Power			∞:1		All phases
Efficiency		30			
Duty			10	%	
Pulse Width	0.001		1.0	Msec	
Pulse Droop	0.0	0.02	0.1	db	



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