

## Solid-State RF Amplifiers

# 27 MHz

### Model CRE-3027A 27 MHz

**Customer:** *undisclosed*  
**Application:** *Isotope Production for PET*  
**RF Output Power @P1:** *30 kW cw*  
**Efficiency (Wall-plug):** *up to 63%*  
**Bandwidth:** *± 1 MHz*  
**Number of Transistors:** *24*  
**Number of Modules:** *3*  
**Main Combiner Type:** *Lumped Element*  
**RF Output Connector:** *1 5/8"*  
**Amplifiers Sold:** *in Development*



CRE-3027A SSA



CRE-3027A Combiner

## CRE-3027A



## RF Module



- 19" form factor
- 2x 5.1 kW cw RF output power @P1
- Gain: 30 dB
- Adjustable drain voltage for efficiency maximisation

## Driver Module

## Control System

## Power Supplies



- High Efficiency 95.8% typical
- Compact 1RU form factor with 30 W/in3 density
- Constant power from 48 – 58VDC
- 6000W from nominal 3Φ-380/480VAC
- Output voltage programmable from 18V – 58VDC