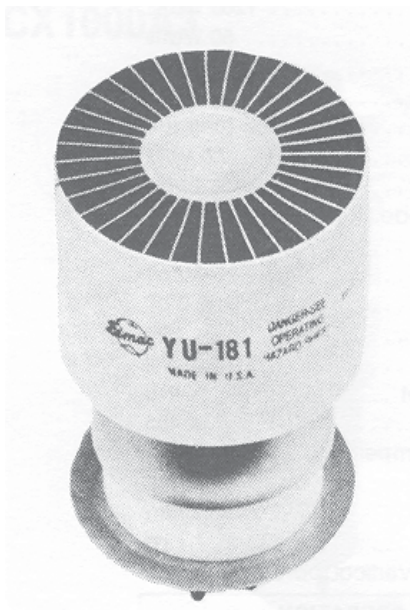


# 3CX1200Z7/YU-181

The YU-181/3CX1200Z7 is a high-  $\mu$ , forced air cooled, rugged, ceramic triode for use as a grounded grid, zero bias class AB2 amplifier.

## CHARACTERISTICS

Plate Dissipation (Max.)	1,200 Watts
Screen Dissipation (Max.)	---
Grid Dissipation (Max.)	50 Watts
Frequency for Max. rating (CW)	110 MHz
Amplification Factor	200
Filament/Cathode	Thoriated Tungsten
Voltage	6.3 Volts
Current	25.0 Amps
Capacitance	Grounded Cathode
Input	17.6 pf
Output	9.7 pf
Feedthrough	0.8 pf
Capacitance	---
Input	--- pf
Output	--- pf
Feedthrough	--- pf
Cooling	Forced Air
Base	SK-410 Socket
Air Socket	---
Air Chimney	---
Boiler	---
Length	5.550 in; 140.97 mm
Diameter	3.5 in; 88.9 mm
Weight	2.4 lb ; 1.09 kg



Class of Operation	Type of Service	MAXIMUM RATINGS		TYPICAL OPERATION				
		Plate Voltage (Volts)	Plate Current (Amps)	Plate Voltage (Volts)	Screen Voltage (Volts)	Plate Current (Amps)	Drive Power (Watts)	Output Power (kiloWatts)
AB	RF linear amplifier	5,500	0.8	4,000	---	.562	53	1.615

The values listed above represent specified limits for the product and are subject to change. The data should be used for basic information only. Formal, controlled specifications may be obtained from CPI for use in equipment design.



**For information** on this and other CPI products, visit our website at: [www.cpii.com](http://www.cpii.com), or contact: CPI MPP Division, Eimac Operations, 607 Hansen Way, Palo Alto, CA 94303  
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