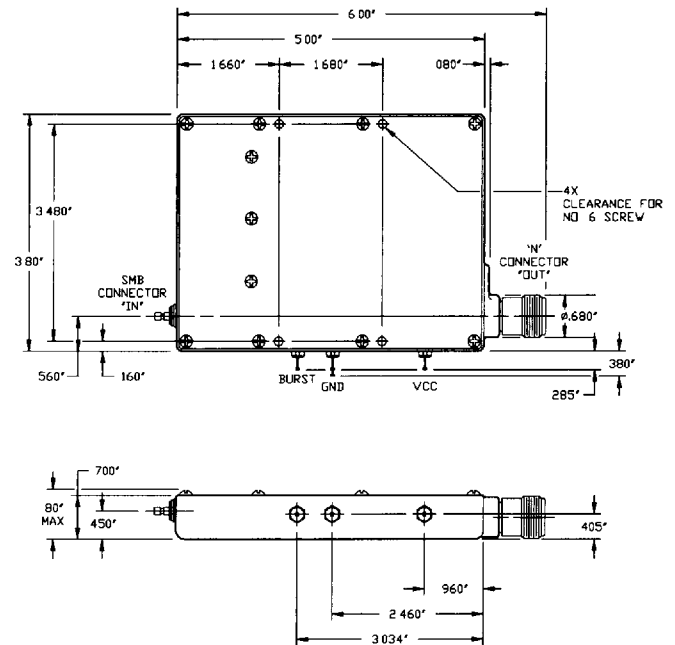


45 Watts, 1608-1628 MHz, 85 ms Pulse, 5% Duty

Features

- Operation 1608-1628 MHz
- NPN Silicon Power Transistors
- TTL Compatible Burst Control
- Duroid Circuit Board
- 50 Ohms Input and Output Matched

Outline Drawing



Absolute Maximum Ratings at 25°C

Parameter	Symbol	Rating	Units
Supply Voltage	V_{CC}	32	V
Input Power	P_{IN}	0.10	W
Output Power	P_{OUT}	65	W
Operating Case Temperature	T_C	-30 to +90	°C
Storage Temperature	T_{STG}	-40 to +100	°C

Electrical Characteristics at 25°C

Parameter	Symbol	Min	Max	Units	Test Conditions
Output Power	P_{OUT}	45	-	W	$V_{CC}=29$ V, $P_{IN}=-3$ dBm, $F=1608-1628$ MHz
Power Gain	G_p	50	-	dB	$V_{CC}=29$ V, $P_{OUT}=45$ W, $F=1608-1628$ MHz
Collector Efficiency	η_c	14	-	%	$V_{CC}=29$ V, $P_{OUT}=45$ W, $F=1608-1628$ MHz
Input VSWR	VSWR	-	2:1	-	$V_{CC}=29$ V, $P_{OUT}=45$ W, $F=1608-1628$ MHz
Load VSWR Tolerance	VSWR-T	-	10:1	-	$V_{CC}=29$ V, $P_{OUT}=45$ W, $F=1608-1628$ MHz

Schematic

