HALF-WAVE RECTIFIER

COATED FILAMENT
1.25 VOLTS 0.2 AMP.
AC
AC OR DC
ANY MOUNTING POSITION

GLASS BULB

BOTTOM VIEW
INTERMEDIATE SHELL
5 PIN OCTAL
OR
SHORT INTERMEDIATE SHELL
5 PIN OCTAL WITH EXTERNAL BARRIERS
OR
INTERMEDIATE SHELL
6 PIN OCTAL
OR
SHORT INTERMEDIATE SHELL
6 PIN OCTAL WITH EXTERNAL BARRIERS
OR
SHORT INTERMEDIATE SHELL
7 PIN OCTAL
OR
INTERMEDIATE SHELL
7 PIN OCTAL

THE 163GT IS A HALF-WAVE RECTIFIER UTILIZING A COATED FILAMENT. IT IS INTENDED FOR USE AS A RECTIFIER OF HIGH-VOLTAGE PULSES PRODUCED IN THE SCANNING SYSTEMS OF MONOCHROME TELEVISION RECEIVERS AND AS A RECTIFIER IN HIGH VOLTAGE RF-OPERATED POWER SUPPLIES OF ELECTRONIC EQUIPMENT. IT IS SIMILAR TO THE 163GT, BUT IS CONSTRUCTED IN A SMALLER BULB FOR COMPACT EQUIPMENT DESIGN.

DIRECT INTERELECTRODE CAPACITANCES - APPROX.
WITHOUT EXTERNAL SHIELD
PLATE TO FILAMENT AND INTERNAL SHIELD 1.3 \mu F

CONTINUED ON FOLLOWING PAGE
RATINGS
INTERPRETED ACCORDING TO DESIGN CENTER SYSTEM

PULSE-RECTIFIER SERVICE

FILAMENT VOLTAGEB 1.25 VOLTS
MAXIMUM INVERSE PLATE VOLTAGE:
TOTAL DC AND PEAK (ABS. MAX.)C
DC 26 000C VOLTS
21 000 VOLTS
MAXIMUM PLATE CURRENT:
PEAK 50 MA.
AVERAGE 0.5 MA.

RF RECTIFIER SERVICE

FILAMENT VOLTAGEB 1.25 VOLTS
FILAMENT CURRENT 0.2 AMP.
MAXIMUM PEAK INVERSE PLATE VOLTAGE (ABS. MAX.)
33 000C VOLTS
MAXIMUM PLATE CURRENT:
PEAK 30 MA.
AVERAGE 1 MA.
FREQUENCY RANGE OF SUPPLY VOLTAGE 1.5 TO 100 KC.

FOR OPERATION IN A 575-LINE, 30-FRAME SYSTEM AS DESCRIBED IN "STANDARDS OF GOOD ENGINEERING PRACTICE FOR TELEVISION BROADCAST STATIONS: FEDERAL COMMUNICATIONS COMMISSION". THE DUTY CYCLE OF THE VOLTAGE PULSE MUST NOT EXCEED 35% OF ONE SCANNING CYCLE.

FILAMENT VOLTAGE: 1.05 MIN., 1.25 AVG., 1.45 MAX. VOLTS.

UNDER NO CIRCUMSTANCES SHOULD THIS ABSOLUTE VALUE BE EXCEEDED.

NOTES:
ON THE 5-PIN BASES, PIN #1 IS OMITTED.
ON THE 5-PIN BASES, THE 6-PIN BASES, AND THE 7-PIN BASE JEDEC #87-166, PIN 4 JS OMITTED.
ON THE 5-PIN BASES, THE 6-PIN BASES, AND THE 7-PIN BASE JEDEC #87-47, PIN 6 IS OMITTED.
IG3GT
AVERAGE PLATE CHARACTERISTIC
$E_f = 1.25 \text{ Volts AC}$