TRIODE
SUBMINIATURE TRIODE

FOR
AMPLIFIER OR OSCILLATOR
APPLICATIONS

COATED FILAMENT
ANY MOUNTING POSITION

BOTTOM VIEW
0.010" TINNED
FLEXIBLE LEADS
0.048" CENTER-TO-CENTER
IN-LINE

THE 6286 IS A FILAMENTARY TYPE TRIODE OF SUBMINIATURE CONSTRUCTION WITH 4 FLEXIBLE LEADS. IT IS DESIGNED FOR USE AS AN AMPLIFIER OR OSCILLATOR IN MILITARY APPLICATIONS.

DIRECT INTERELECTRODE CAPACITANCES
WITHOUT EXTERNAL SHIELD

GRID TO PLATE 1.6 pf
GRID TO FILAMENT 1.3 pf
PLATE TO FILAMENT 2.1 pf

FILAMENT CHARACTERISTICS AND RATINGS

ABSOLUTE MAXIMUM VALUES - SEE EIA STANDARD RS-239

AVERAGE CHARACTERISTICS
1.25 VOLTS
125 MA.

LIMITS OF APPLIED VOLTAGE
1.25 ± 0.25 VOLTS

MAXIMUM RATINGS

ABSOLUTE MAXIMUM VALUES - SEE EIA STANDARD RS-239

PLATE VOLTAGE 100 VOLTS
PLATE DISSIPATION 0.45 WATT
PLATE CURRENT 7.0 MA.

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CHARACTERISTICS

PLATE VOLTAGE 67.5 VOLTS
GRID VOLTAGE -2.0 VOLTS
PLATE CURRENT 6.0 MA
TRANSCONDUCTANCE 2,100 μHOS
AMPLIFICATION FACTOR 11.5
GRID VOLTAGE (APPROX.) FOR IB = 50 μA -8.5 VOLTS

TYPICAL OSCILLATOR CHARACTERISTICS AT 25 MC/S

PLATE VOLTAGE 67.5 VOLTS
PLATE SUPPLY RESISTANCE 1,500 OHMS
GRID RESISTANCE 18,000 OHMS
PLATE CURRENT 5.25 MA
GRID CURRENT 325 μA

AVERAGE PLATE CHARACTERISTICS
Eb vs Ib

PLATE MILLIAMPERES

0 5 10 15 20 25

PLATE VOLTS

0 25 50 75 100 125 150 175
AVERAGE CHARACTERISTICS

$E_b = 67.5$ VOLTS

GRID VOLTS

PLATE (IN MILLIAMPERES OR MILLIAMPERE-AMPERES) AMPLIFICATION FACTOR ($a$)

TRANSCONDUCTANCE ($g_m$) - MICROHMS

PLATE RESISTANCE ($R_p$) - KILOHMS

$-6$ $-5$ $-4$ $-3$ $-2$ $-1$ $0$ $0$ $2.5$ $5.0$ $7.5$ $10.0$ $12.5$ $0$ $50$ $250$ $300$ $1500$ $1000$ $500$ $100$ $200$ $400$ $1000$