

2N5638, 2N5639

2N5638 is a Preferred Device

JFET Chopper Transistors N-Channel – Depletion

N-Channel Junction Field Effect Transistors, depletion mode (Type A) designed for chopper and high-speed switching applications.

Features

- Low Drain-Source “ON” Resistance: $R_{DS(on)} = 30\Omega$ for 2N5638
 $R_{DS(on)} = 60\Omega$ for 2N5639
- Low Reverse Transfer Capacitance –
 $C_{rss} = 4.0$ pF (Max) @ $f = 1.0$ MHz
- Fast Switching Characteristics – $t_r = 5.0$ ns (Max) (2N5638)
- Pb-Free Packages are Available*

MAXIMUM RATINGS

Rating	Symbol	Value	Unit
Drain-Source Voltage	V_{DS}	30	

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ELECTRICAL CHARACTERISTICS ($T_A = 25^\circ\text{C}$ unless otherwise noted)

Characteristic	Symbol	Min	Max	Unit
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OFF CHARACTERISTICS

Gate-Source Breakdown Voltage
($I_G = -1.0 \mu\text{A}$, $V_{DS} = 0$)

