

2N709

TRANSISTOR

Silicon n-p-n type used in ultra-high-speed logic-circuit applications in data-processing equipment. JEDEC No. TO-18 package; outline 12, Outlines Section. This type is electrically identical with type

2N2475 except for the following items:

CHARACTERISTICS

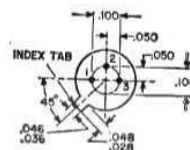
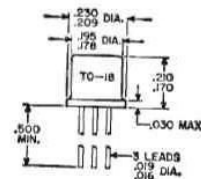
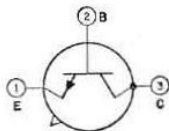
Base-to-Emitter Saturation Voltage (with collector ma = 3 and base ma = 0.15)	0.7 to 0.85	volt
Collector-to-Emitter Saturation Voltage (with collector ma = 3 and base ma = 0.15)	0.3 max	volt

In Common-Base Circuit

Input Capacitance (with emitter-to-base volts = 0.5, collector current = 0, and frequency = 140 kilocycles)	2 max	pf
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In Common-Emitter Circuit

Small-Signal Forward Current-Transfer Ratio (with collector-to-emitter volts = 4, collector ma = 5, and frequency = 100 Mc)	6 min
DC Forward Current-Transfer Ratio:	15 min
With collector-to-emitter volts = 1 and collector ma = 30	20 to 120
With collector-to-emitter volts = 0.5 and collector ma = 10	



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