

SN75450A, 75451A, 75452, 75453, 75454 Dual Peripheral Drivers

GENERAL DESCRIPTION

The 75450A, 75451A, 75452, 75453, and 75454 are dual general interface drivers that convert TTL and DTL logic levels to high current drive capability. The 75450A features two TTL NAND gates and two uncommitted transistors. The 75451A, 75452, 75453 and 75454 feature two standard series 74 TTL gates in AND, NAND, OR and NOR configurations respectively, driving the base of two high voltage, high current, uncommitted collector output transistors.

Note: Full data including all connection diagrams available on request.

FEATURES

High speed switching.
High output current capability.
Uncommitted collector output devices for high output voltage capability.
TTL or DTL input compatibility.
Input clamp diodes
+5V supply voltage.

REFERENCE TABLE

Code	Stock No.
SN75450AN	35929A
SN75451AP	35930D
SN75452P	35931B
SN75453P	35932X
SN75454P	35933R

ABSOLUTE MAXIMUM RATINGS

	75450A	75451A, 75452 75453, 75454
Supply voltage, V_{CC}	7V	7V
Input voltage	5.5V	5.5V
Intermitter voltage	5.5V	5.5V
V_{CC} to substrate voltage	35V	
Collector to substrate voltage	35V	
Collector-base voltage	35V	
Collector-emitter voltage	30V	
Emitter-base voltage	5V	
Output voltage		30V
Continuous collector current	300mA	
Continuous output current		300mA
Continuous total power dissipation	800mW	800mW
Operating free-air temperature range	0°C to 70°C	0°C to 70°C
Storage temperature range		
Molded DIP	-55°C to 125°C	-55°C to 125°C
Hermetic DIP	-65°C to 150°C	-65°C to 150°C
Lead temperature		
Molded DIP (soldering, 10 seconds)	260°C	260°C
Hermetic DIP (soldering 30 seconds)	300°C	300°C

MANUFACTURER'S CURRENT LIST PRICES ARE ALWAYS CHARGED