



### Order Information

Model Name	Order Number	Gain	Package	Transport Media, Quantity	Package Marking
TP181	TP181A1-CR	50V/V	6-Pin SC70	Tape and Reel, 3,000	9A1
	TP181A2-CR	100V/V	6-Pin SC70	Tape and Reel, 3,000	9A2
	TP181A3-CR	200V/V	6-Pin SC70	Tape and Reel, 3,000	9A3

### Absolute Maximum Ratings Note 1

Supply Voltage Note 2 .....42.0V  
 Input Voltage.....GND– 0.3 to 42V  
 Input Current: +IN, –IN Note 3.....±5mA  
 Output Current: OUT..... ±35mA

Current at Supply Pins..... ±60mA  
 Operating Temperature Range.....–40°C to 125°C  
 Maximum Junction Temperature..... 150°C  
 Storage Temperature Range..... –65°C to 150°C  
 Lead Temperature (Soldering, 10 sec) ..... 260°C

**Note 1:** Stresses beyond those listed under Absolute Maximum Ratings may cause permanent damage to the device. Exposure to any Absolute Maximum Rating condition for extended periods may affect device reliability and lifetime.

**Note 2:** The op amp supplies must be established simultaneously, with, or before, the application of any input signals.

**Note 3:** The inputs are protected by ESD protection diodes to each power supply. If the input extends more than 500mV beyond the power supply, the input current should be limited to less than 10mA.

### ESD, Electrostatic Discharge Protection

Symbol	Parameter	Condition	Minimum Level	Unit
HBM	Human Body Model ESD	ANSI/ESDA/JEDEC JS-001	±2	kV
CDM	Charged Device Model ESD	ANSI/ESDA/JEDEC JS-002	±2	kV

### Thermal Resistance

Package Type	$\theta_{JA}$	$\theta_{JC}$	Unit
6-Pin SC70	227	80	°C/W















