







































## 6 Performance Specifications

### 6.1 Electrical Specifications

#### 6.1.1 Absolute Maximum Limits

Exceeding these maximum ratings can result in damage to the device.

General	Notes	Min.	Typ.	Max.	Units
Supply ( $V_{DD}-V_{SS}$ )		-0.3		7.0	V
Voltage on any pin to $V_{SS}$		-0.3		$V_{DD} + 0.3$	V
Current					
$V_{DD}$		-30		30	mA
$V_{SS}$		-30		30	mA
Any other pin		-20		20	mA
<b>D2 / P4 Packages</b>					
Total allowable Power dissipation at $T_{AMB} = 25^{\circ}\text{C}$				800	mW
Derating above $25^{\circ}\text{C}$			13		mW/ $^{\circ}\text{C}$
Operating Temperature		-40		85	$^{\circ}\text{C}$
Storage Temperature		-55		125	$^{\circ}\text{C}$
<b>D5 Package</b>					
Total allowable Power dissipation at $T_{AMB} = 25^{\circ}\text{C}$				550	mW
Derating above $25^{\circ}\text{C}$			9		mW/ $^{\circ}\text{C}$
Operating Temperature		-40		85	$^{\circ}\text{C}$
Storage Temperature		-55		125	$^{\circ}\text{C}$
<b>E2 Package</b>					
Total allowable Power dissipation at $T_{AMB} = 25^{\circ}\text{C}$				320	mW
Derating above $25^{\circ}\text{C}$			5.3		mW/ $^{\circ}\text{C}$
Operating Temperature		-40		85	$^{\circ}\text{C}$
Storage Temperature		-55		125	$^{\circ}\text{C}$

**Table 7: Absolute Maximum Ratings**









