

## 2N2646

Maximum Ratings ( $T_a = +25^\circ\text{C}$ )

Case TO-18

Rating	Symbol	Value	Unit
Interbase Voltage	Vb1b2	35	V
Emitter Reverse Voltage	Vb2e	30	V
RMS Power Dissipation	Pd	300	mW
Temperature Range	Ta	-60...+125	$^\circ\text{C}$

## Electrical Characteristics

Characteristics	Symbol	Min	Typ.	Max	Unit
Emitter Reverse Current (Vb2e=30V, Ib1=0)	Ieb20	-	-	1.2	mA
Intrinsic Standoff Ratio (Vb2b1=10V)	-	0.56	-	0.75	-
Valley-Point Current (Vb2b1=20V, Rb2=100 Ohm)	Iv	4.0	-	-	mA
Peak Point Emitter Current (Vb2b1=25V)	Ip	-	-	5.0	mA
Modulated Interbase Current (Vb2b1=10V, Ie=50mA)	Ib2 (mod)	-	30	-	mA
Emitter Saturation Voltage (Vb2b1=10V, Ie=50mA)	Veb1(sat)	-	1.6	-	V
Interbase Resistance (Vb2b1=3V, Ie=0)	Rbb	4.7	-	9.1	Kohms
Base One Peak Pulse Voltage (Re=10K Ohms, Ce=0.2mkF, Vb2b1=20V)	Vob1	3.0	10	-	V