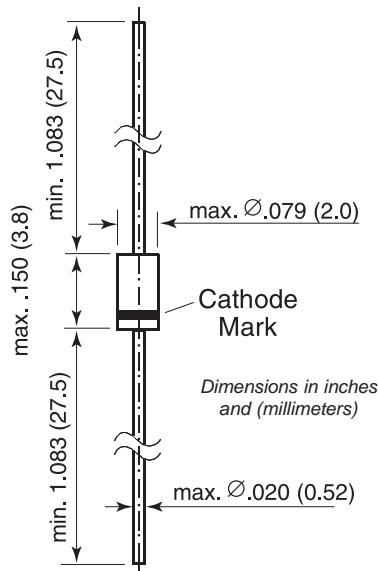


Schottky Diode

DO-204AH (DO-35 Glass)


Maximum Ratings & Thermal Characteristics

Ratings at 25°C ambient temperature unless otherwise specified.

Parameter	Symbol	Value	Unit
Repetitive Peak Reverse Voltage	V _{RRM}	100	V
Forward Continuous Current at T _{amb} = 25°C	I _F	100 ⁽¹⁾	mA
Repetitive Peak Forward Current at t _p < 1s, @ < 0.5, T _{amb} = 25°C	I _{FRM}	350 ⁽¹⁾	mA
Surge Forward Current at t _p = 10 ms, T _{amb} = 25°C	I _{FSM}	750 ⁽¹⁾	A
Power Dissipation at T _{amb} = 25°C	P _{tot}	400 ⁽¹⁾	mW
Thermal Resistance Junction to Ambient Air	R _{θJA}	300 ⁽¹⁾	°C/W
Junction Temperature	T _j	125	°C
Ambient Operating Temperature Range	T _{amb}	-65 to +125	°C
Storage Temperature Range	T _s	-65 to +150	°C

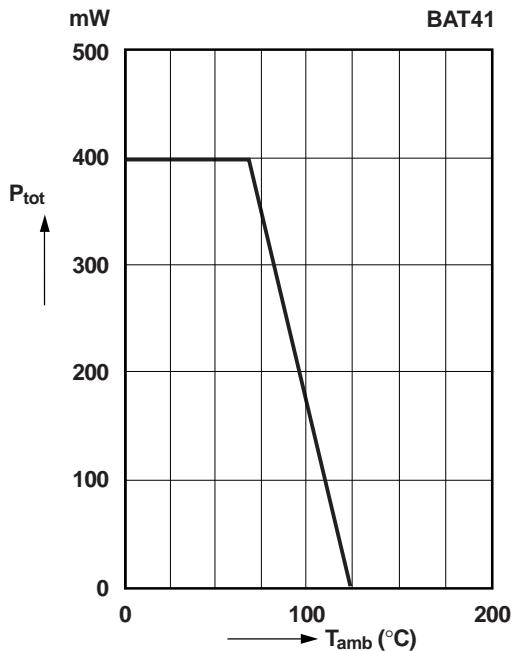
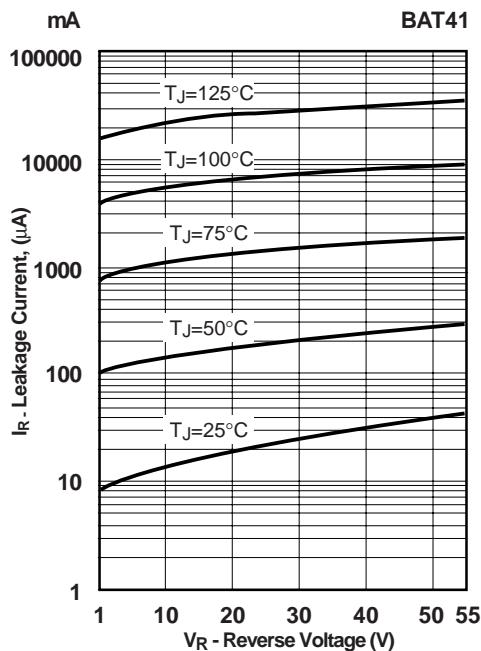
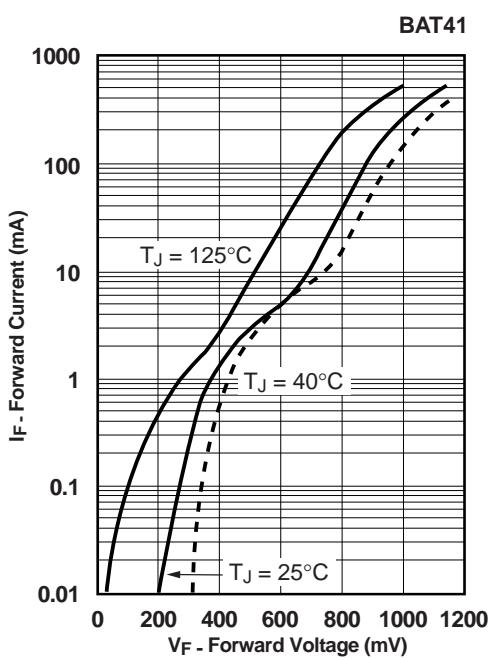
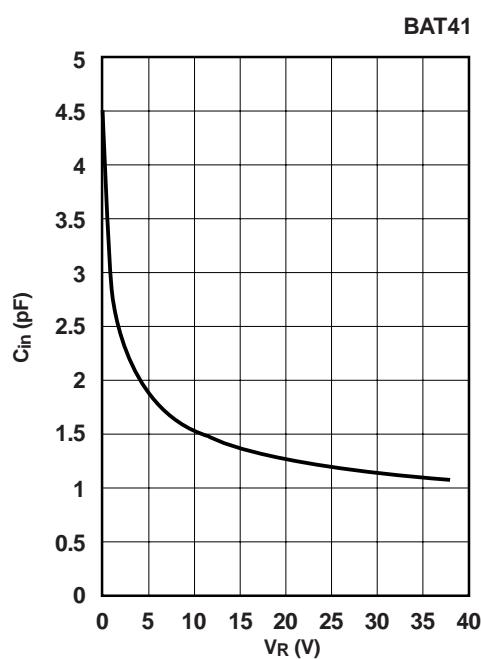
Electrical Characteristics

(T_j = 25°C unless otherwise noted)

Parameter	Symbol	Test Condition	Min	Typ	Max	Unit
Reverse Breakdown Voltage ⁽²⁾	V _{(BR)R}	I _R = 100µA	100	110	—	V
Leakage Current ⁽²⁾	I _R	V _R = 50V, T _j = 25°C V _R = 50V, T _j = 100°C	—	—	100 20	nA µA
Forward Voltage ⁽²⁾	V _F	I _F = 1mA I _F = 200mA	—	0.40 —	0.45 1.0	V
Capacitance	C _{tot}	V _R = 1 V, f = 1MHz	—	2	—	pF
Reverse Recovery Time	t _{rr}	I _F = 10 mA, I _R = 10mA I _{rr} = 1 mA, R _L = 100 Ω	—	5	—	ns

Notes: (1) Valid provided that leads at a distance of 4mm from case are kept at ambient temperature

(2) Pulse test, t_p = 300µs

**Ratings and
Characteristic Curves**
**Fig. 1 – Admissible Power
Dissipation vs. Ambient
Temperature**

**Fig. 2 – Typical Reverse
Characteristics**

**Fig. 3 – Typical Forward
Characteristics**

**Fig. 4 – Typical Capacitance vs.
Reverse Voltage**


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