



# EBRT20L200D



## Excellen Schottky Barrier Rectifiers



DO-201AD

Primary Characteristics		
$I_F$	20	A
$V_{RRM}$	200	V
$I_{FSM}$	250	A
$V_F$	0.85	V
$T_J$ max	150	°C

Features
<ul style="list-style-type: none"><li>• High current capability</li><li>• High surge current capability</li><li>• Low reverse current</li><li>• Component in accordance to RoHS 2002/95/EC</li></ul>

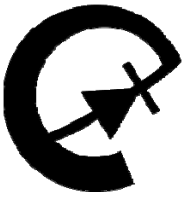
Mechanical Data
<ul style="list-style-type: none"><li>• Cases: DO-201AD</li><li>• Case Material: Molded Plastic. UL Flammability Classification Rating 94V-0</li><li>• Terminals: Lead free Plating (Tin Finish) Solderable per MIL-STD-202, Method 208</li><li>• Polarity: Cathode Band</li><li>• Weight: 1.071 grams (approximate)</li></ul>

Ordering Information			
Part No.	Remark	Package	Packing
EBRT20L200D	General	DO-201AD	1200 / Ammo Box
EBRT20L200D-H	Halogen Free		

Maximum Ratings (TA=25°C unless otherwise noted)			
PARAMETER	SYMBOL	EBRT20L200D	UNIT
Maximum repetitive peak reverse voltage	$V_{RRM}$	200	V
Maximum RMS voltage	$V_{RMS}$	140	V
Maximum DC blocking voltage	$V_{DC}$	200	V
Maximum average forward rectified current	$I_F$	20	A
Peak forward surge current, 8.3ms single half sine-wave superimposed on rated load	$I_{FSM}$	250	A
Maximum Instantaneous Forward Voltage IF=20A @ 25°C	$V_F$	0.85	V
Maximum DC Reverse Current @ TA=25°C at Rated DC Blocking Voltage @ TA=100°C	$I_R$	0.1 5	mA
Typical Junction Capacitance(NOTE1)	$C_j$	1500	pF
Typical Thermal Resistance	$R_{\theta JC}$	5	°C/W
Operating Temperature Range	$T_J$	-55 to +150	°C
Storage Temperature Range	$T_{STG}$	-55 to +150	°C
Marking Code		T20L200D	

NOTES:

1. Measured at 1.0MHZ and applied reverse voltage of 4.0V DC



## Excellent Schottky Barrier Rectifiers

### Rating and Characteristics Curves

FIG. 1-Typical Forward Current Derating Curve

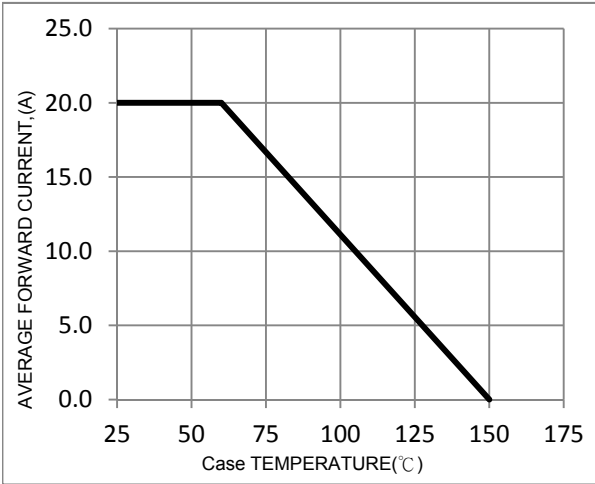


FIG. 2-Typical Forward Characteristics

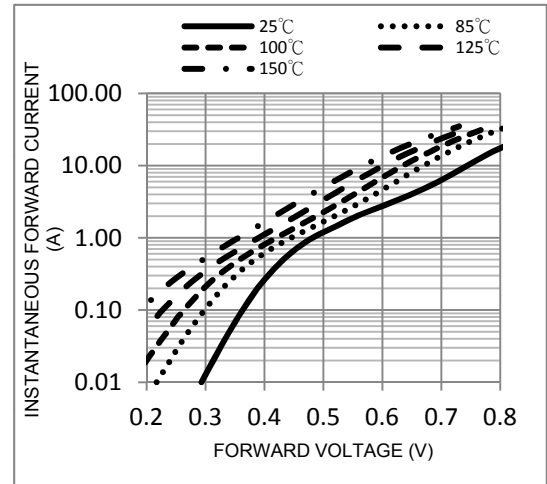


FIG. 3-Maximum Non-Repetitive Forward Surge Current

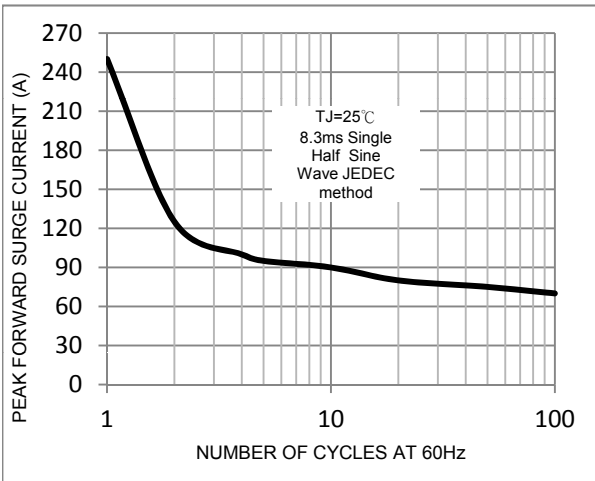


FIG. 4-Typical Reverse Characteristics

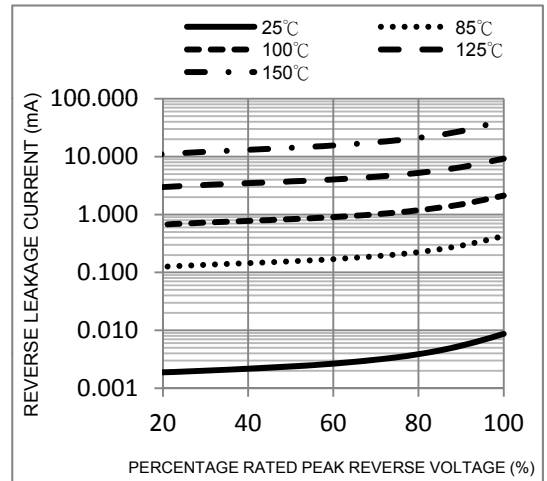
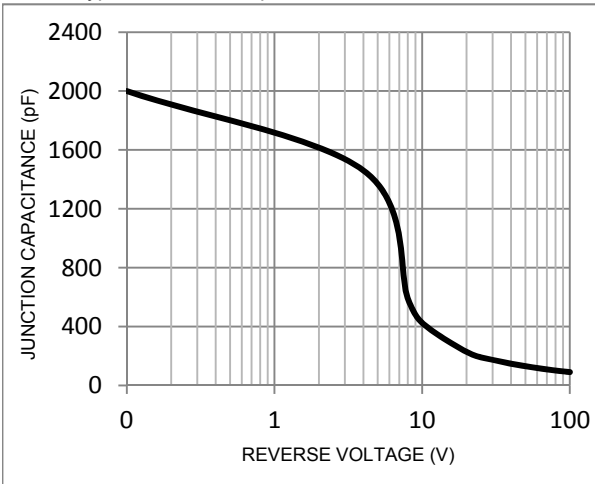
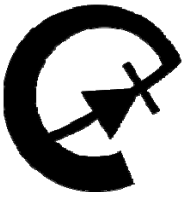
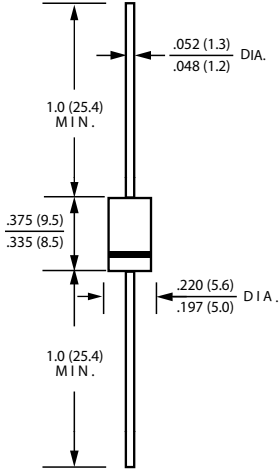


FIG. 5-Typical Junction Capacitance





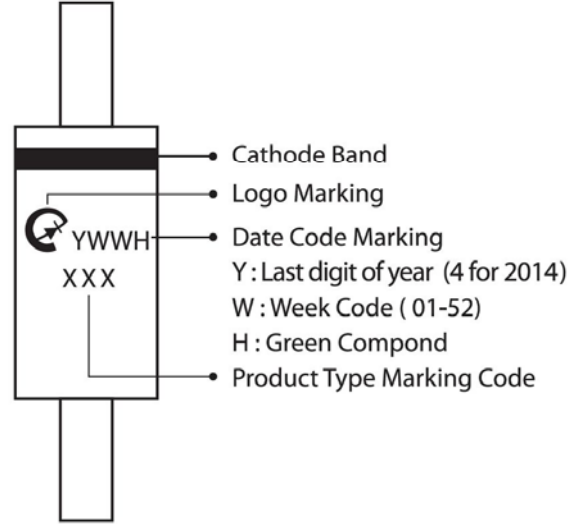
**Package Outline Dimensions**



**DO-201AD**

Dimensions in inches and (millimeters)

**Marking Information**



**Ammo Box Packing**

Package	Inner	BOX	Inner Box	Carton	Carton Size	Gross Weight
	Pack	(EA)	(mm)	(EA)	(mm)	(Kg)-Approx.
DO-201AD(DO-27)-52mm	Reel	1,200	255x75x150	12000	440x280x335	16