



## Excellent Schottky Barrier Rectifiers



DO-15

### Primary Characteristics

$I_F$	3	A
$V_{RRM}$	60	V
$I_{FSM}$	20	A
$V_F$	0.54	V
$T_J \text{ max}$	125	°C

### Features

- Guard Ring for Overvoltage Protection
- Very Small Conduction Losses
- Low Forward Voltage Drop

### Mechanical Data

- Cases : DO-15
- Case Material : Molded Plastic. UL Flammability Classification Rating 94V-0
- Terminals : Lead free Plating (Tin Finish)  
Solderable per MIL-STD-202, Method 208
- Polarity : Cathode Band
- Weight : 0.366 grams (approximate)

### Ordering Information

Part No.	Remark	Package	Packing
EBRT3E60M	General	DO-15	3000 / Ammo Box
EBRT3E60M-H	Halogen Free		

### Maximum Ratings (TA=25°C unless otherwise noted)

Parameter	Symbol	EBRT3E60M	Unit
Maximum Repetitive Peak Reverse Voltage	$V_{RRM}$	60	V
Maximum RMS Voltage	$V_{RMS}$	42	V
Maximum DC Blocking Voltage	$V_{DC}$	60	V
Maximum Average Forward Rectified Current	$I_F$	3	A
Peak Forward Surge Current 8.3ms Single Half Sine-Wave Superimposed on Rated Load	$I_{FSM}$	20	A
Maximum Instantaneous Forward Voltage $I_F=3A @ 25^\circ C$	$V_F$	0.49 Typ. 0.54 Max.	V
Maximum DC Reverse Current @ TA=25°C at Rated DC Blocking Voltage @ TA=100°C	$I_R$	0.5 15	mA
Typical Junction Capacitance(NOTE1)	$C_j$	160	pF
Typical Thermal Resistance	$R_{\theta JC}$	30	°C/W
Operating Temperature Range	$T_J$	-55 to +125	°C
Storage Temperature Range	$T_{STG}$	-55 to +150	°C
Marking Code		3E60M · T3E60M	

### NOTES :

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



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### Rating and Characteristics Curves

FIG. 1-Typical Forward Current Derating Curve

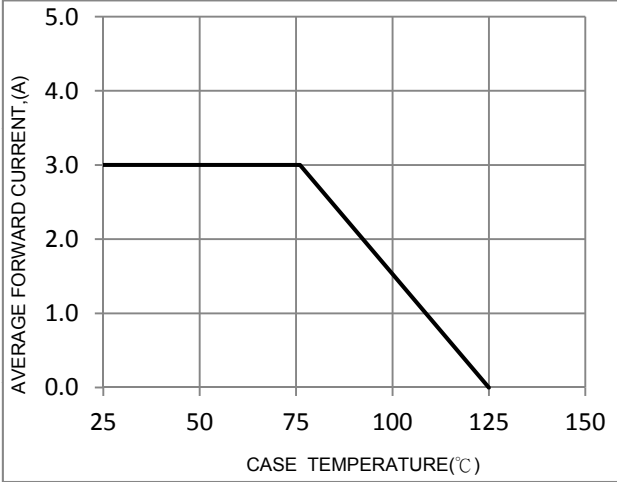


FIG. 2-Typical Forward Characteristics

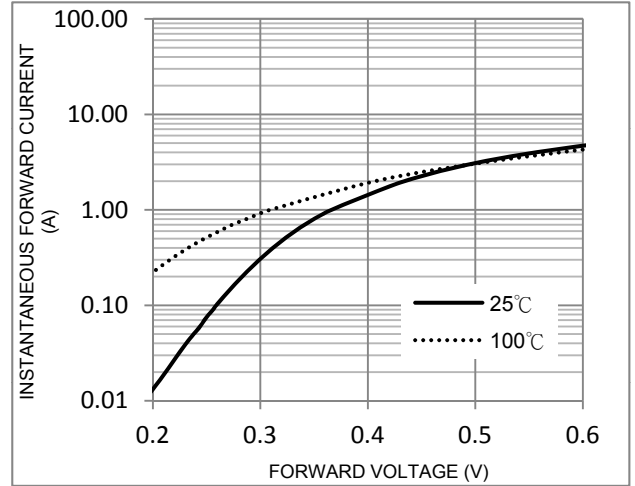


FIG. 3-Maximum Non-Repetitive Forward Surge Current

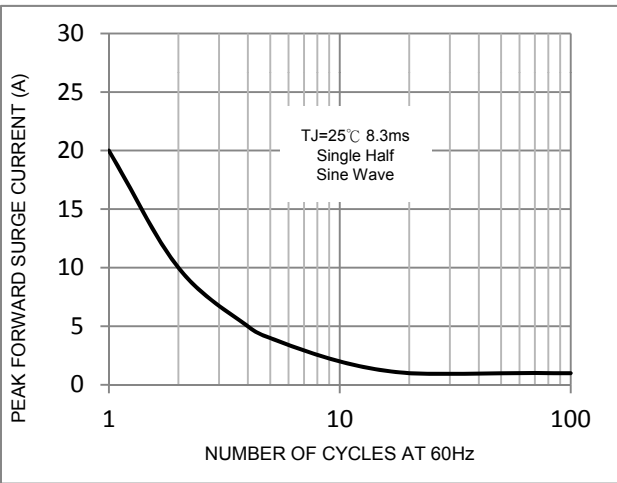


FIG. 4-Typical Reverse Characteristics

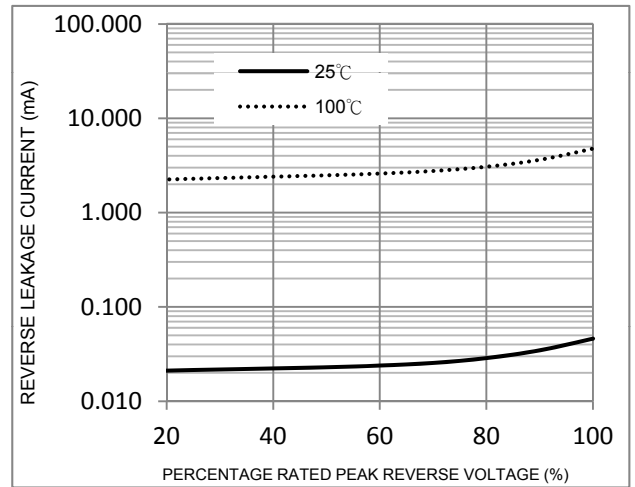
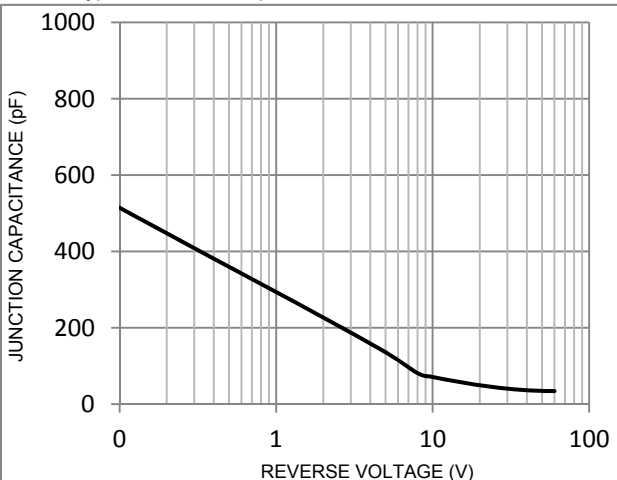


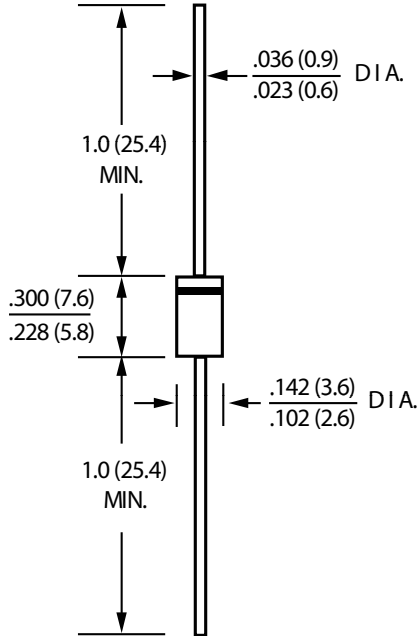
FIG. 5-Typical Junction Capacitance





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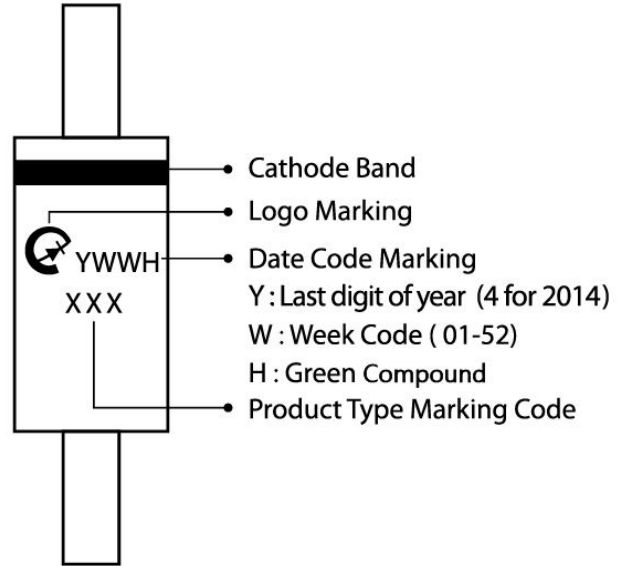
**Package Outline Dimensions**



**DO-15**

Dimensions in inches and (millimeters)

**Marking Information**



**Ammo Box Packing**

Package	Inner Pack	BOX (EA)	Inner Box (mm)	Carton (EA)	Carton Size (mm)	Gross Weight (Kg)-Approx.
DO-15 (DO-204AC)	Reel	3,000	260x75x150	30,000	415x280x320	14.5



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