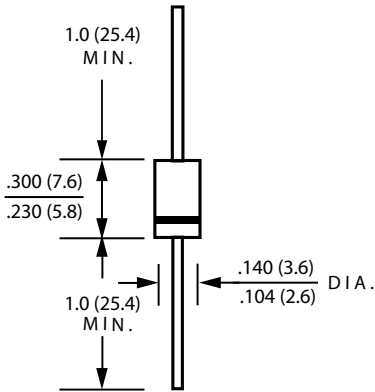


B240

Schottky Barrier Rectifiers



DO - 15

Dimensions in inches and (millimeters)



Features

- Guardring for overvoltage protection
- Very small conduction losses
- Low forward voltage drop
- Component in accordance to RoHS 2002/95/EC

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: 0.373 grams (approximate)

PRIMARY CHARACTERISTICS	
I _F	2 A
V _{RRM}	40 V
I _{FSM}	50 A
V _F	0.50 V
T _J max	125°C

Order Information	Top Marking
<p style="text-align: center;"> B X X X X X → Assembly Material Blank : G : Halogen and Lead Free Device Type Blank: DO-15 </p> <p> Peak Current 2: 2A </p> <p> Voltage 40: 40V </p>	<div style="border: 1px solid black; padding: 5px; text-align: center; width: fit-content; margin: 0 auto;"> AXE YW B240 XX </div> <p> W : 01~26(A~Z) 27~52(a~z) Year : A = 2010 1 = 2011 Assembly Material Blank : G : Halogen and Lead Free Device ID code : Internal </p>

MAXIMUM RATINGS (TA=25°C unless otherwise noted)			
PARAMETER	SYMBOL	B240	UNIT
Maximum repetitive peak reverse voltage	V _{RRM}	40	V
Maximum RMS voltage	V _{RMS}	28	V
Maximum DC blocking voltage	V _{DC}	40	V
Maximum average forward rectified current	I _F	2.0	A
Peak forward surge current, 8.3ms single half sine-wave superimposed on rated load	I _{FSM}	50.0	A
Maximum Instantaneous Forward Voltage @ 2.0A	V _F	0.50	V
Maximum DC Reverse Current @ TA=25°C at Rated DC Blocking Voltage @ TA=100°C	I _R	0.5 10	mA
Typical Junction Capacitance(NOTE1)	C _J	150	pF
Typical Thermal Resistance	R _{θJA}	60	°C/W
Operating Temperature Range	T _J	-55 to +125	°C
Storage Temperature Range	T _{STG}	-55 to +150	°C

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

FIG. 1-TYPICAL FORWARD CURRENT DERATING CURVE

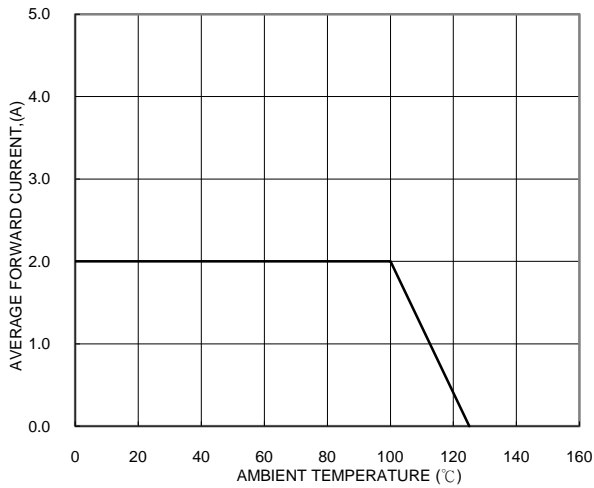


FIG. 2-TYPICAL FORWARD CHARACTERISTICS

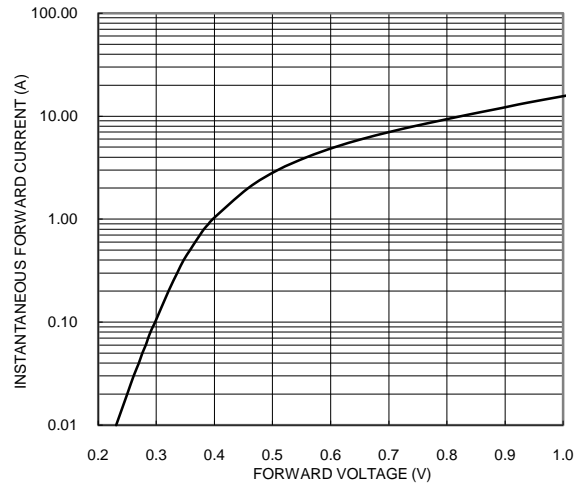


FIG. 3-MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

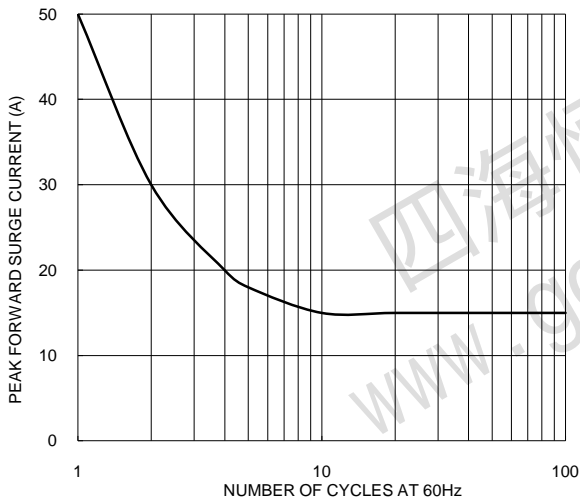


FIG. 4-TYPICAL REVERSE CHARACTERISTICS

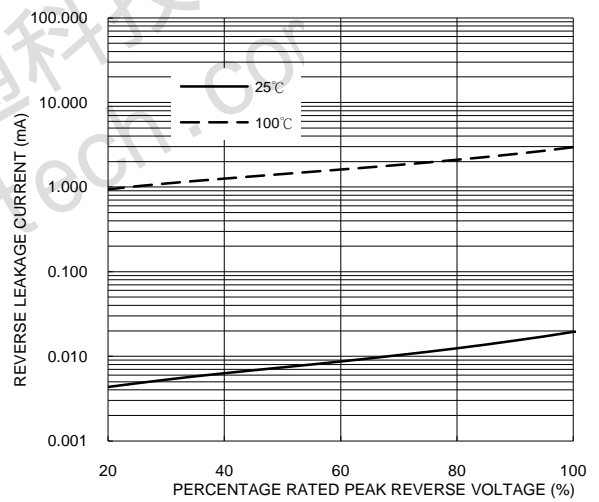


FIG. 5-TYPICAL JUNCTION CAPACITANCE

