



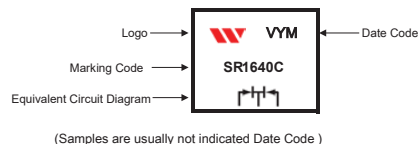
16.0A Schottky Barrier Rectifiers -40V- 200V

PRIMARY CHARACTERISTICS

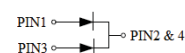
V_{RRM}	40V~200V
I_O	16A
$V_F@I_F=8A$	0.70V,0.80V,0.85V,0.95V
$T_{J,Max}$	150°C

TO-220 PACKAGE

• Body Marking Example



V:Product Lines
Y:1-digit BC year code, 4-2014,5-2015...etc
M:Month, EX : 1-1,2-2,...10-O,11-N,12-D



FEATURES

- Guard Ring for over voltage Protection
- High forward surge capability
- High frequency operation
- Moisture Sensitivity Level 1

MECHANICAL DATA

- Case : Molded plastic,TO-220
- Polarity : Shown above
- Terminals :Plated terminals, solderable per MIL-STD-750,Method 2026
- Epoxy : UL94-V0 rated flame retardant

MAXIMUM RATINGS (TA=25°C unless otherwise noted)

PARAMETER	SYMBOL	SR1640C	SR1660C	SR16100C	SR16150C	SR16200C	UNIT
Maximum repetitive peak reverse voltage	V _{RRM}	40	60	100	150	200	V
Maximum RMS voltage	V _{RMS}	28	42	70	105	140	V
Maximum DC blocking voltage	V _{DC}	40	60	100	150	200	V
Maximum average forward rectified current(Total) (Per Leg)	I _F	16 8					A A
Peak forward surge current, 8.3ms single half sine-wave superimposed on rated load	I _{FSM}	125.0					A
Maximum Instantaneous IF=8A @ 25°C Forward Voltage	V _F	0.70	0.80	0.85	0.95		V
Maximum DC Reverse Current @ Tc=25°C at Rated DC Blocking Voltage @ Tc=100°C	I _R	0.5		0.3	0.1		mA
		10		5	2		
Typical Thermal Resistance	R _{θJC}	3					°C/W
Operating Temperature Range	T _J	-55 to +125	-55 to +150				°C
Storage Temperature Range	T _{STG}	-55 to +150					°C



RATING AND CHARACTERISTIC CURVES

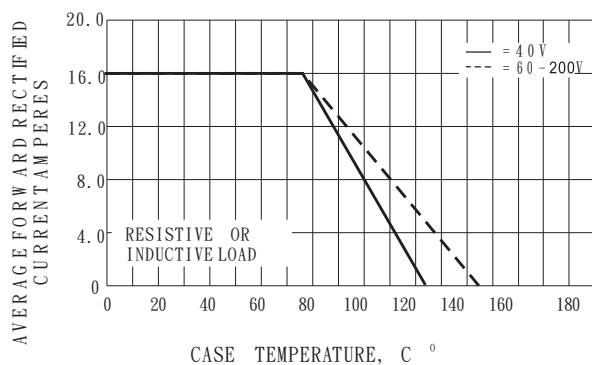


Fig.1- FORWARD CURRENT DERATING CURVE

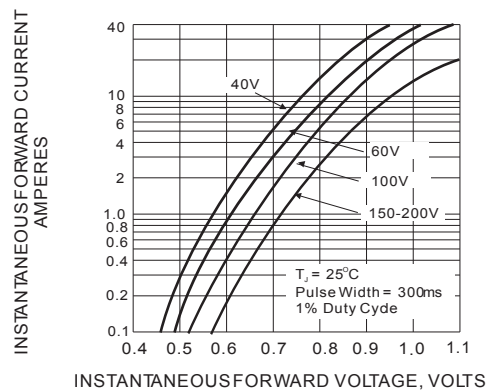


Fig.2- TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

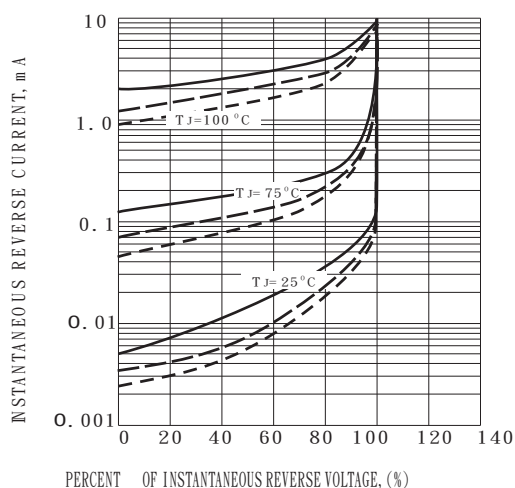


Fig.3- TYPICAL REVERSE CHARACTERISTICS

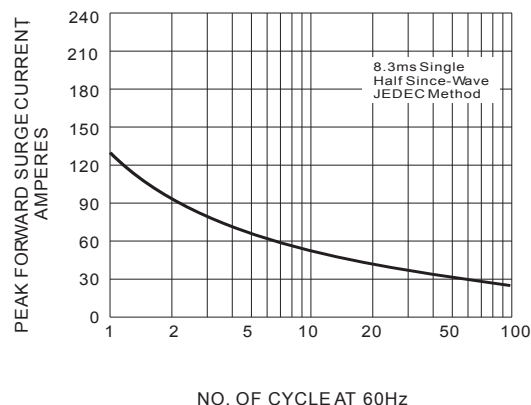
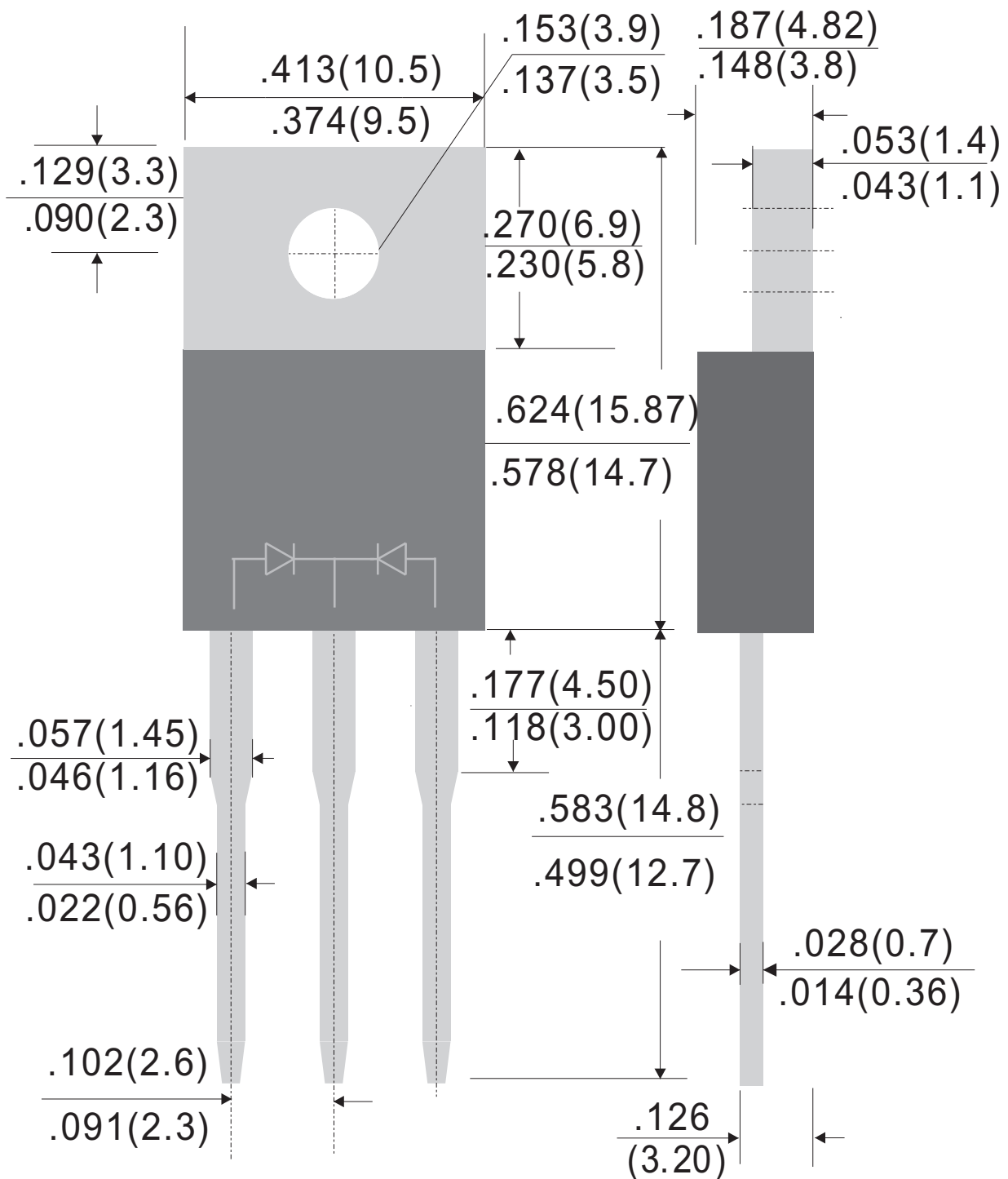


Fig.4- MAXIMUM NON - REPETITIVE SURGE CURRENT

Outline Drawing

TO-220



Rev.I

Ordering Information:

Device PN	Packing
Part Number - ⁽¹⁾ G ⁽²⁾ -WS	Tube Packing:50pcs/Tube; 2000pcs/Box

Note: (1) Packing code: Empty is Tube Packing

(2) RoHS product for packing code suffix "G", Halogen free product for packing code suffix "H" .

(3) WS : Willas brand abbreviation, Label Type does not display

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