

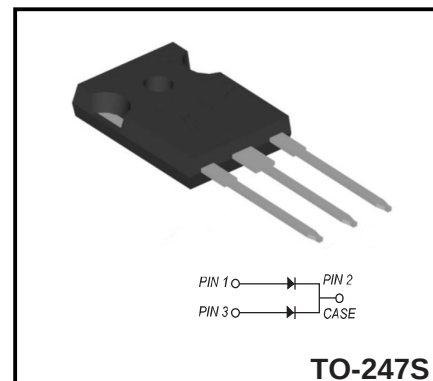
Schottky Barrier Rectifiers

Reverse Voltage - 200 V

Forward Current - 60 A

Features

- ◆The plastic package carries Underwriters Laboratory Flammability Classification 94V-0
- ◆Construction utilizes void-free molded plastic technique
- ◆Low forward voltage
- ◆High forward surge current capability
- ◆High temperature soldering guaranteed
260°C/10 seconds at terminals



Mechanical Data

- ◆Case : Molded plastic body
- ◆Terminals : Solder plated, solderable per MIL-STD-750, Method 2026
- ◆Polarity : Polarity symbol marking on body
- ◆Mounting Position : Any

Primary Characteristic

$I_{(AV)}$	2*30A
V_{RRM}	200V
I_{FSM}	300A
V_F	0.94V
$T_J \text{ Max}$	150°C

Maximum Ratings (Ta=25°C unless otherwise specified)

Parameter	Symbols	Value	Units
Maximum Repetitive Peak Reverse Voltage	V_{RRM}	200	V
Working Peak Reverse Voltage	V_{RWM}	140	V
Maximum DC Blocking Voltage	V_{DC}	200	V
Maximum Average Forward Rectified Current Per device rectified current at $T_C=110^\circ\text{C}$ Per diode	$I_{(AV)}$	60 30	A
Peak forward surge current, 8.3ms single half sine-wave superimposed on rated load	I_{FSM}	300	A
Operating Temperature Range	T_J	-55 ~ +150	°C
Storage Temperature Range	T_{STG}	-55 ~ +150	°C
Typical Thermal Resistance	$R_{\theta JC}$	1.5	°C/W

Electrical Characteristics (Ta=25°C unless otherwise specified)

Characteristics	Symbols	Value		Units
Forward Voltage Drop		Typ	Max	V
Maximum instantaneous forward voltage per diode at 30.0A	V_F	0.94	0.98	
Maximum DC reverse current at rated DC blocking voltage	I_R	10 1	50 10	u A mA

Ratings and Characteristic Curves

FIG. 1- DERATING CURVE OUTPUT RECTIFIED CURRENT

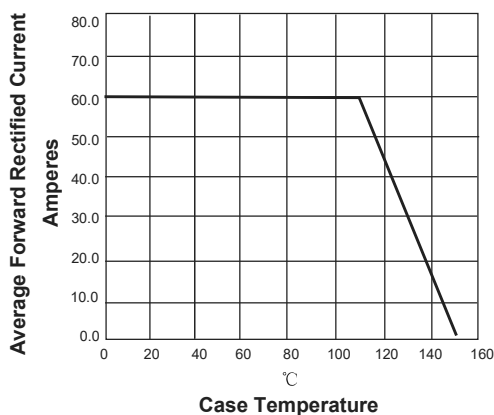


FIG. 2-MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT PER LEG

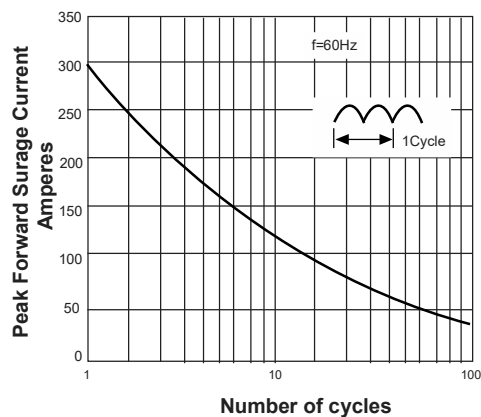


FIG. 3-TYPICAL FORWARD VOLTAGE CHARACTERISTICS

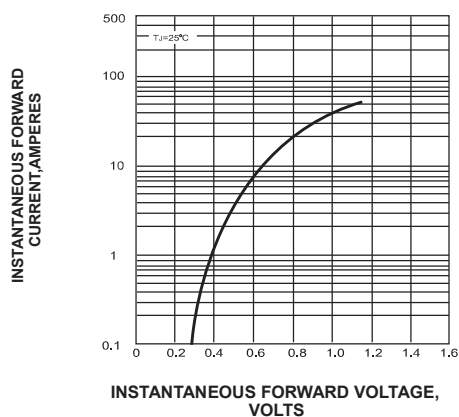
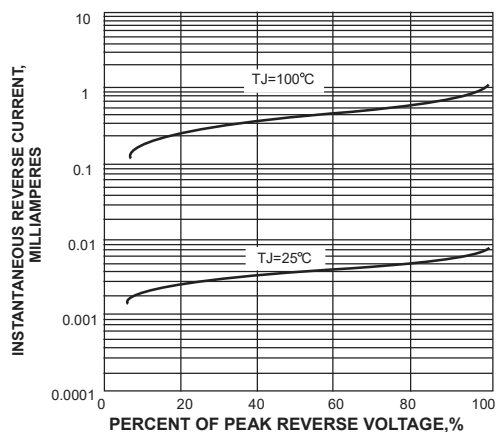
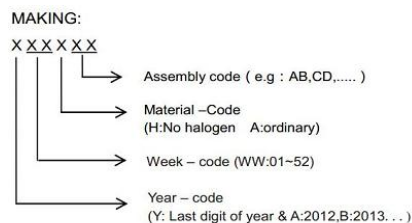
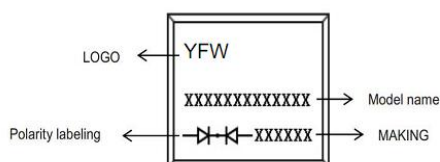


FIG. 4-TYPICAL REVERSE LEAKAGE CHARACTERISTICS



Marking On The Body



Ordering Information

Part Number	Package	Unit Weight	Base Quantity	Delivery mode
SRT60L200PTS	TO-247S	0.158oz(4.48g)	30 pes / tube	600pcs/box 2400pcs/carton

Note: For Halogen Free molding compound, add "H" suffix to part number above.

Package Outline Dimensions Millimeters

TO-247S

