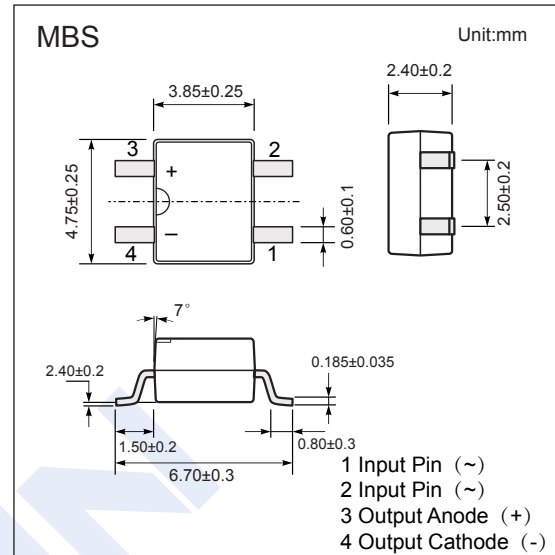


## Schottky Bridge

### XT24S ~ XT220S

#### ■ Features

- Reverse Voltage - 40 to 200 V
- Forward Current - 2 A
- High Surge Current Capability
- Designed for Surface Mount Application



#### ■ Absolute Maximum Ratings Ta = 25°C

Parameter	Symbol	XT 24S	XT 26S	XT 28S	XT 210S	XT 220S	Unit
Repetitive Peak Reverse Voltage	V <sub>RRM</sub>	40	60	80	100	200	V
RMS Voltage	V <sub>RMS</sub>	28	42	56	70	140	
Maximum DC Blocking Voltage	V <sub>DC</sub>	40	60	80	100	200	
Forward Voltage @ I <sub>F</sub> =2A	V <sub>F</sub>	0.55	0.7	0.85			
Average Forward Rectified Current	I <sub>FAV</sub>	2					A
Peak Forward Surge Current @ 8.3ms	I <sub>FSM</sub>	50		40			
Maximum DC Reverse Current Ta=25°C Ta=125°C	I <sub>R</sub>	0.5			0.3		mA
		10			5		
Typical Junction Capacitance *1	C <sub>j</sub>	220	80				pF
Thermal Resistance.Junction- to-Ambient	R <sub>thJA</sub>	75					°C/W
Junction Temperature	T <sub>j</sub>	125					°C
Storage Temperature	T <sub>stg</sub>	-55 to 150					

\* 1 Measured at 1MHz and applied reverse voltage of 4V D.C

#### ■ Marking

NO.	XT24S	XT26S	XT28S	XT210S	XT220S
Marking	MB24S	MB26S	MB28S	MB210S	MB220S

# Schottky Bridge XT24S ~ XT220S

■ Typical Characteristics

Fig.1 Forward Current Derating Curve

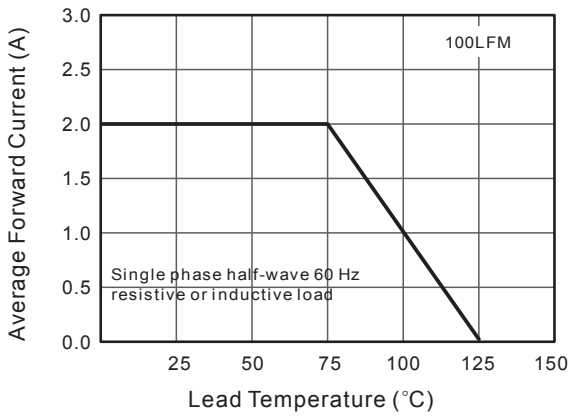


Fig.2 Typical Reverse Characteristics

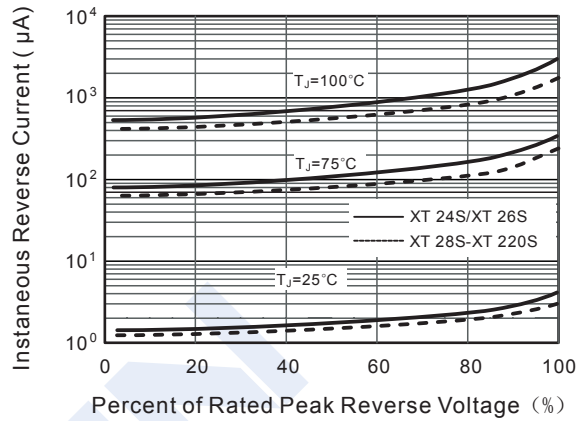


Fig.3 Typical Forward Characteristic

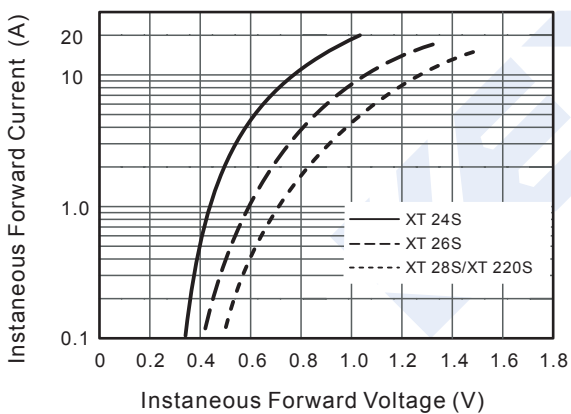


Fig.4 Typical Junction Capacitance

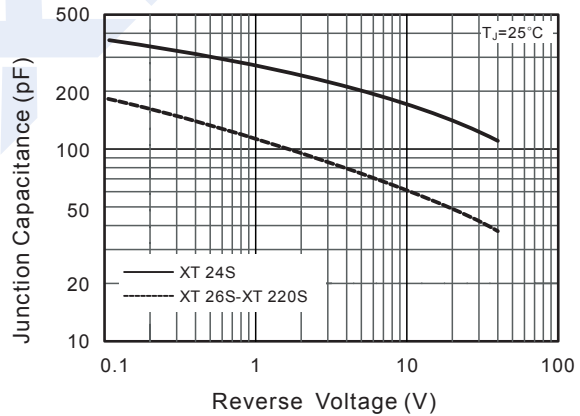


Fig.5 Maximum Non-Repetitive Peak Forward Surge Current

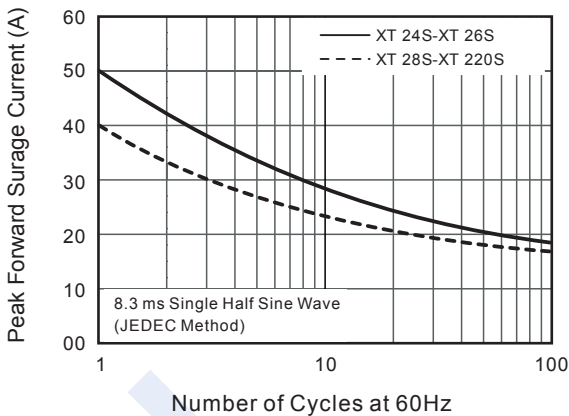


Fig.6- Typical Transient Thermal Impedance

