

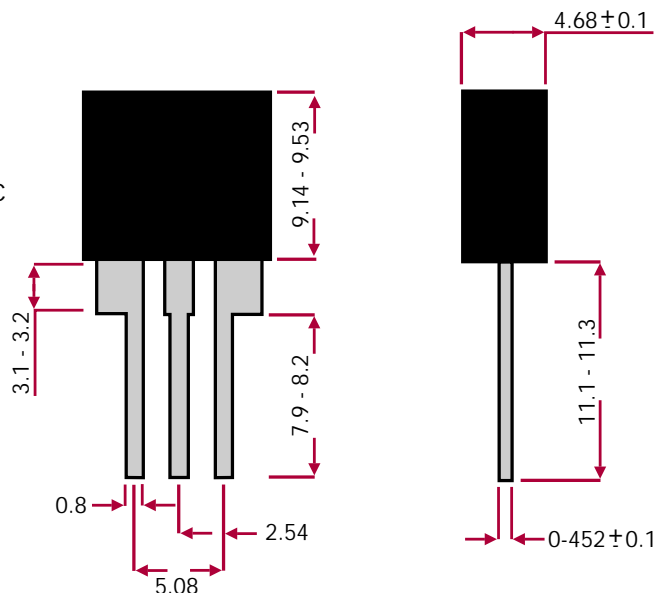
SLT series Sibod™ Sibod™

FEATURES

- High-surge Capabilities
- Glass Passivated Junction
- Bi-directional
- Low Capacitance
- Operating & Storage Temperature: -55°C to 175°C

MECHANICAL SPECIFICATION

- Modified TO-220 Outline
- Terminals: Solderable to MIL-STD-202 Method 208
- Weight 1.4 grammes (approx)



NOTES

(1) VBR IS MEASURED @ 1mA USING A PULSE OF 20mSEC OR LESS

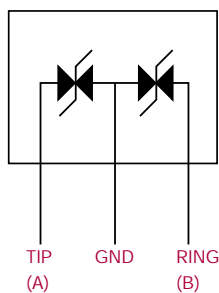
(2)

PEAK PULSE CURRENT (A)	Type AA	Type AB	Type AC
10 / 1000μS WAVE SHAPE	-	-	100.0
10 / 560μS WAVE SHAPE	50.0	100.0	-
10 / 160μS WAVE SHAPE	100.0	150.0	200.0

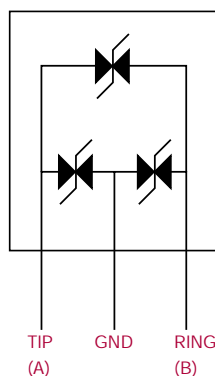
(3) ALL TESTING PERFORMED @ 25°C

EQUIVALENT CIRCUIT

SLTT XXX 2 XX SERIES



SLT XXX 3 XX SERIES



ELECTRICAL SPECIFICATIONS @ Tamb 25°C

Part Number	Reverse Stand-off Voltage (V _R)	Maximum Breakdown Voltage (V _{BO}) @ I _{BO}	Reverse Stand-off Voltage (V _R)	Maximum Breakdown Voltage (V _{BO}) @ I _{BO}	Maximum Reverse Leakage (I _R)	Typical Voltage Turnoff (V _T)	Maximum Breakdown Current (I _{BO})	Minimum Holding Current (I _H)	Typical Cap @ 1MHz 2V Bias
	pins 1-2 & 3-2		pins 1-3		@V _R	@ 1A			
	V	V	V	V	µA	V	mA	mA	pF
SLT0602AA	25.0	40.0	50.0	80.0	1.0	5.0	800.0	150.0	100.0
SLT1402AA	58.0	77.0	116.0	154.0	1.0	5.0	800.0	150.0	60.0
SLT1602AA	65.0	95.0	130.0	190.0	1.0	5.0	800.0	150.0	60.0
SLT2202AA	90.0	130.0	180.0	260.0	1.0	5.0	800.0	150.0	60.0
SLT2702AA	120.0	160.0	240.0	320.0	1.0	5.0	800.0	150.0	40.0
SLT3002AA	140.0	180.0	280.0	360.0	1.0	5.0	800.0	150.0	40.0
SLT3602AA	160.0	220.0	320.0	440.0	1.0	5.0	800.0	150.0	40.0
SLT4202AA	190.0	250.0	380.0	500.0	1.0	5.0	800.0	150.0	30.0
SLT4802AA	220.0	300.0	440.0	600.0	1.0	5.0	800.0	150.0	30.0
SLT6002AA	275.0	350.0	550.0	700.0	1.0	5.0	800.0	150.0	30.0
SLT0602AB	25.0	40.0	50.0	80.0	1.0	5.0	800.0	150.0	100.0
SLT1402AB	58.0	77.0	116.0	154.0	1.0	5.0	800.0	150.0	60.0
SLT1602AB	65.0	95.0	130.0	190.0	1.0	5.0	800.0	150.0	60.0
SLT2202AB	90.0	130.0	180.0	260.0	1.0	5.0	800.0	150.0	60.0
SLT2702AB	120.0	160.0	240.0	320.0	1.0	5.0	800.0	150.0	40.0
SLT3002AB	140.0	180.0	280.0	360.0	1.0	5.0	800.0	150.0	40.0
SLT3602AB	160.0	220.0	320.0	440.0	1.0	5.0	800.0	150.0	40.0
SLT4202AB	190.0	250.0	380.0	500.0	1.0	5.0	800.0	150.0	30.0
SLT4802AB	220.0	300.0	440.0	600.0	1.0	5.0	800.0	150.0	30.0
SLT6002AB	275.0	350.0	550.0	700.0	1.0	5.0	800.0	150.0	30.0
SLT0602AC	25.0	40.0	50.0	80.0	1.0	5.0	800.0	150.0	200.0
SLT1402AC	58.0	77.0	116.0	154.0	1.0	5.0	800.0	150.0	120.0
SLT1602AC	65.0	95.0	130.0	190.0	1.0	5.0	800.0	150.0	120.0
SLT2202AC	90.0	130.0	180.0	260.0	1.0	5.0	800.0	150.0	120.0
SLT2702AC	120.0	160.0	240.0	320.0	1.0	5.0	800.0	150.0	80.0
SLT3002AC	140.0	180.0	280.0	360.0	1.0	5.0	800.0	150.0	80.0
SLT3602AC	160.0	220.0	320.0	440.0	1.0	5.0	800.0	150.0	80.0
SLT4202AC	190.0	250.0	380.0	500.0	1.0	5.0	800.0	150.0	60.0
SLT4802AC	220.0	300.0	440.0	600.0	1.0	5.0	800.0	150.0	60.0
SLT6002AC	275.0	350.0	550.0	700.0	1.0	5.0	800.0	150.0	60.0
SLT1553AA	130.0	180.0	130.0	180.0	5.0	10.0	800.0	150.0	40.0
SLT1803AA	150.0	210.0	150.0	210.0	5.0	10.0	800.0	150.0	40.0
SLT2103AA	170.0	250.0	170.0	250.0	5.0	10.0	800.0	150.0	40.0
SLT2353AA	200.0	270.0	200.0	270.0	5.0	10.0	800.0	150.0	40.0
SLT2703AA	230.0	300.0	230.0	300.0	5.0	10.0	800.0	150.0	30.0
SLT3203AA	270.0	350.0	270.0	350.0	5.0	10.0	800.0	150.0	30.0
SLT3403AA	300.0	400.0	300.0	400.0	5.0	10.0	800.0	150.0	30.0
SLT1553AB	130.0	180.0	130.0	180.0	5.0	10.0	800.0	150.0	40.0
SLT1803AB	150.0	210.0	150.0	210.0	5.0	10.0	800.0	150.0	40.0
SLT2103AB	170.0	250.0	170.0	250.0	5.0	10.0	800.0	150.0	40.0
SLT2353AB	200.0	270.0	200.0	270.0	5.0	10.0	800.0	150.0	40.0
SLT2703AB	230.0	300.0	230.0	300.0	5.0	10.0	800.0	150.0	30.0
SLT3203AB	270.0	350.0	270.0	350.0	5.0	10.0	800.0	150.0	30.0
SLT3403AB	300.0	400.0	300.0	400.0	5.0	10.0	800.0	150.0	30.0
SLT1553AC	130.0	180.0	130.0	180.0	5.0	10.0	800.0	150.0	80.0
SLT1803AC	150.0	210.0	150.0	210.0	5.0	10.0	800.0	150.0	80.0
SLT2103AC	170.0	250.0	170.0	250.0	5.0	10.0	800.0	150.0	80.0
SLT2353AC	200.0	270.0	200.0	270.0	5.0	10.0	800.0	150.0	80.0
SLT2703AC	230.0	300.0	230.0	300.0	5.0	10.0	800.0	150.0	60.0
SLT3203AC	270.0	350.0	270.0	350.0	5.0	10.0	800.0	150.0	60.0
SLT3403AC	300.0	400.0	300.0	400.0	5.0	10.0	800.0	150.0	60.0

All parameters are tested using Fet Test™ Model 3600

All products are sold to the commercial specifications shown, for any additional reliability testing or extended parameters, please consult the factory.

contact semitron on: telephone: +44 (0)1793 724000 fax: +44 (0)1793 720401