WEITRON

TO64AB-LC Thru T310AB-LC
TO64BB-LC Thru T310BB-LC
TO64CB-LC Thru T310CB-LC

Low Capacitance Bi-Directional Surface Mount Thyristor Surge Protective Device

Lead(Pb)-Free

I_{PP}
50 / 75 / 100 AMPERES
V_{DRM}
58 - 275 VOLTS

Feature:

* Peak Off-State Voltage from 58 to 275 Volts
* Meet IEC61000-4-4 & -5 Industry Requirement
* Provides Protection in Accordance with FCC Part 68 , UL1459, Bellcore 1089, ITU-TK.20 & k.21

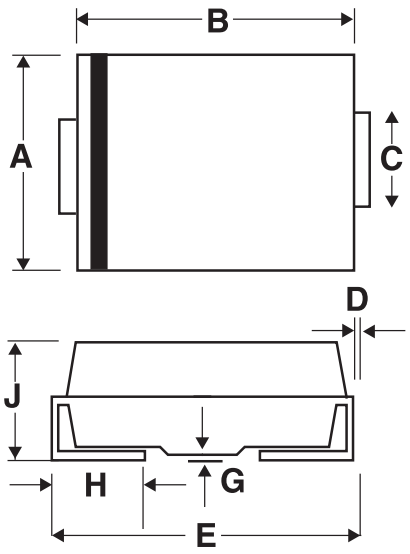
SMB(DO-214AA)

Mechanical Data

* Case: JEDEC DO214AA. Molded Plastic Over Glass Passivated Junction
* Terminal: Solder Plated, Solderable per MIL-STD-750, Method 2026
* Standard Packaging: 12mm tape(EIA STD RS-481)
* Weight: 0.093 gram

SMB Outline Dimension

Unit:mm



SMB		
Dim	**Min**	**Max**
A	3.30	3.94
B	4.06	4.80
C	1.96	2.21
D	0.15	0.31
E	5.00	5.59
G	0.10	0.20
H	0.76	1.52
J	2.00	2.62

Maximum Ratings

PART NUMBER	MARKING CODE	REPETITIVE PEAK OFF-STAGE VOLTAGE	SWITCHING VOLTAGE @100V/us	MINIMUM HOLDING CURRENT dI/dt=1A/ms	SWITCHING CURRENT	SURGE RATINGS IPP	ON-STAGE CURRENT	TYPICAL CAPACITANCE @2V,1MHz
		V_{DRM} VOLTS	Vs VOLTS	I_H mA	Is mA	10*1000 μS Amps	I_T A	pF
T064AB-LC	GCL	58	77	150	800	50	2.2	60
T072AB-LC	GDL	65	88	150	800	50	2.2	60
T080AB-LC	GEL	75	98	150	800	50	2.2	60
T110AB-LC	GFL	90	130	150	800	50	2.2	60
T130AB-LC	GGL	120	160	150	800	50	2.2	40
T150AB-LC	GHL	140	180	150	800	50	2.2	40
T180AB-LC	GIL	160	220	150	800	50	2.2	40
T230AB-LC	GJL	190	260	150	800	50	2.2	30
T260AB-LC	GKL	220	300	150	800	50	2.2	30
T310AB-LC	GLL	275	350	150	800	50	2.2	30
T064BB-LC	GPL	58	77	150	800	75	2.2	60
T072BB-LC	GQL	65	88	150	800	75	2.2	60
T080BB-LC	GRL	75	98	150	800	75	2.2	60
T110BB-LC	GSL	90	130	150	800	75	2.2	60
T130BB-LC	GTL	120	160	150	800	75	2.2	60
T150BB-LC	GUL	140	180	150	800	75	2.2	40
T180BB-LC	GVL	160	220	150	800	75	2.2	40
T230BB-LC	GWL	190	260	150	800	75	2.2	30
T260BB-LC	GXL	220	300	150	800	75	2.2	30
T310BB-LC	GYL	275	350	150	800	75	2.2	30
T064CB-LC	HCL	58	77	150	800	100	2.2	90
T072CB-LC	HDL	65	88	150	800	100	2.2	90
T080CB-LC	HEL	75	98	150	800	100	2.2	90
T110CB-LC	HFL	90	130	150	800	100	2.2	90
T130CB-LC	HGL	120	160	150	800	100	2.2	70
T150CB-LC	HHL	140	180	150	800	100	2.2	70
T180CB-LC	HIL	160	220	150	800	100	2.2	70
T230CB-LC	HJL	190	260	150	800	100	2.2	60
T260CB-LC	HKL	220	300	150	800	100	2.2	60
T310CB-LC	HLL	275	350	150	800	100	2.2	60

Maximum Off-State Current @V_{DRM} : 5μA
Maximum On-State Voltage @I_T : 5volts

RATINGS AND CHARACTERICTIC CURVES (TA=25˚C unless otherwise noted)

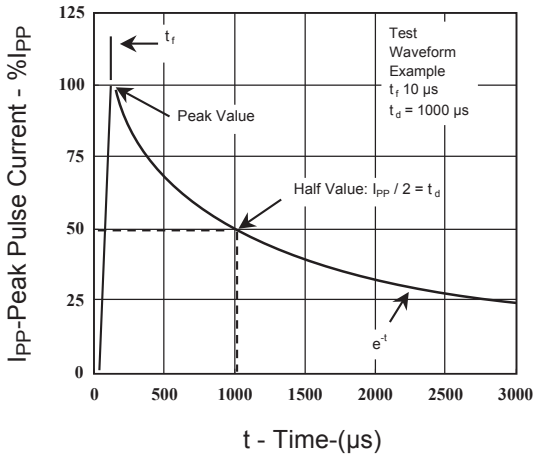


Fig.1 Pulse Wave Form Example

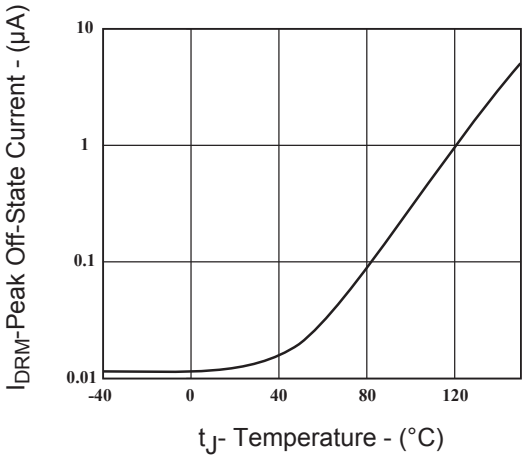


Fig.2 Typical Peak Off-State Current Vs Junction Temperature

RATINGS AND CHARACTERICTIC CURVES (TA=25˚C unless otherwise noted)

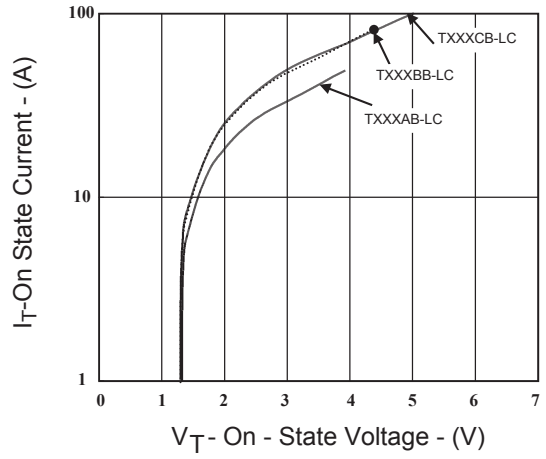


Fig.3 Typical On-State Current Vs On-State Voltage

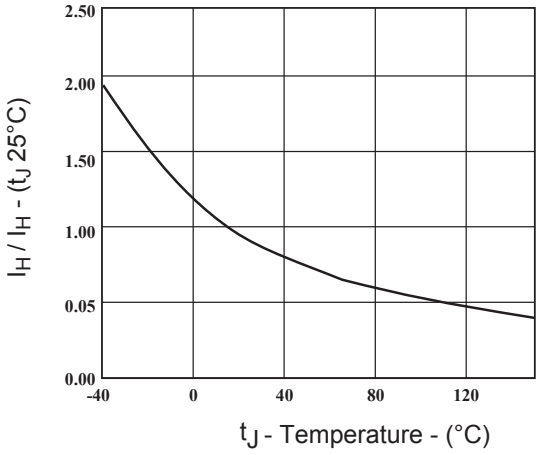


Fig.4 Typical Holding Current Vs Junction Temperature

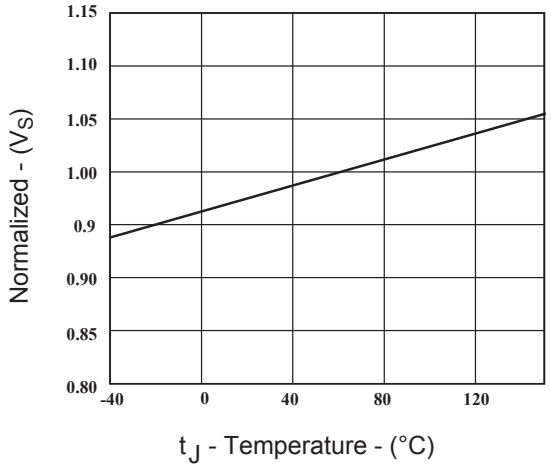


Fig.5 Typical normalized VS Vs Junction Temperature

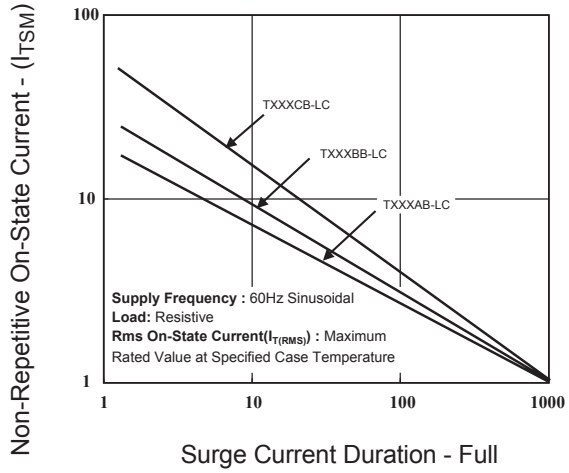


Fig.6 On-State Current Vs Surge Current

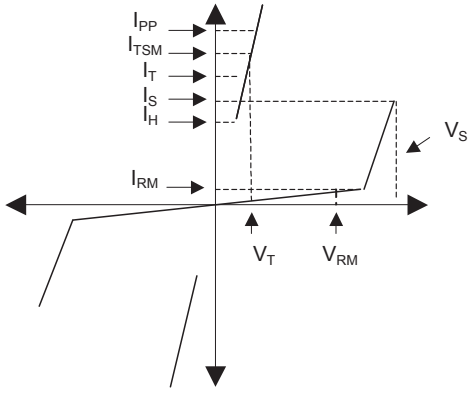


Fig.7 V - I Characteristics Curve