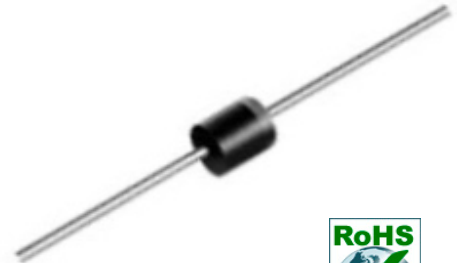


10A Standard Rectifiers

Features

- Low forward voltage drop
- High current capability
- High forward surge current capability
- High reliability
- High temperature soldering guaranteed: 260°C/10 seconds
/.375" (9.5mm) lead length, 5lbs (2.3kg) tension
- RoHS compliant



T6L



Mechanical Data

Case:	T6L, molded plastic
Epoxy:	Plastic package has UL flammability classification 94V-0
Terminals:	Axial leads, solderable per MIL-STD-202G, Method 208
Polarity:	Color band denotes cathode end
Weight:	0.07 ounce, 2.1 gram

Maximum Ratings *(T_{Ambient}=25°C unless noted otherwise)*

Symbol	Description	T10A 05L	T10A 10L	T10A 20L	T10A 40L	T10A 60L	T10A 80L	T10A 100L	Unit	Conditions
V_{RRM}	Maximum Repetitive Peak Reverse Voltage	50	100	200	400	600	800	1000	V	
V_{RMS}	Maximum RMS Voltage	35	70	140	280	420	560	700	V	
V_{DC}	Maximum DC Blocking Voltage	50	100	200	400	600	800	1000	V	
I_{F(AV)}	Maximum Average Forward Rectified Current	10							A	TA=50°C
I_{FSM}	Peak Forward Surge Current	600							A	8.3ms single half sine-wave superimposed on rated load (JEDEC Method)
T_J, T_{STG}	Operating Junction and Storage Temperature Range	-65 to +150							°C	

10A Standard Rectifiers

T10A05L - T10A100L

Electrical Characteristics ($T_{Ambient}=25^{\circ}C$ unless noted otherwise)

Symbol	Description	T10A 05L	T10A 10L	T10A 20L	T10A 40L	T10A 60L	T10A 80L	T10A 100L	Unit	Conditions
V_F	Maximum Forward Voltage	1.0							V	IF=10A
I_R	Maximum DC Reverse Current at Rated DC Blocking Voltage	10							μA	TA=25° C
		100								TA=100° C
C_J	Typical Junction Capacitance	150				80			pF	VR=4V, f=1MHz
R_{θ-JA}	Maximum Thermal Resistance Junction to Ambient	10							° C/W	

Typical Characteristics Curves

Fig.1-Max. Forward Current Derating Curve

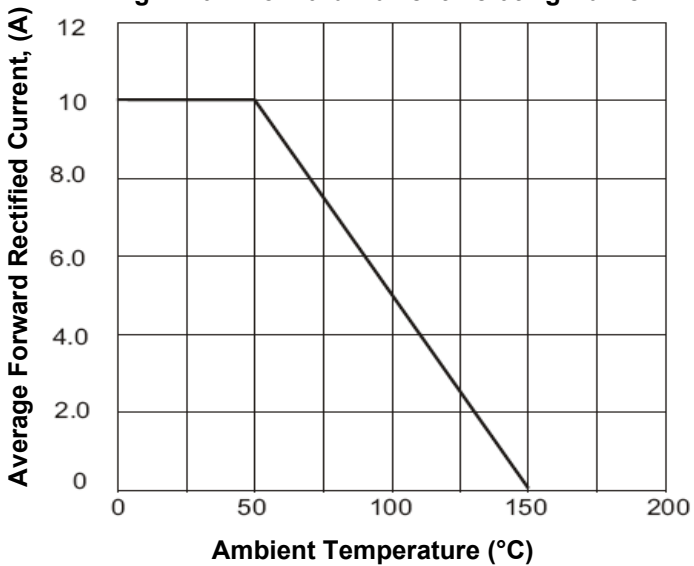
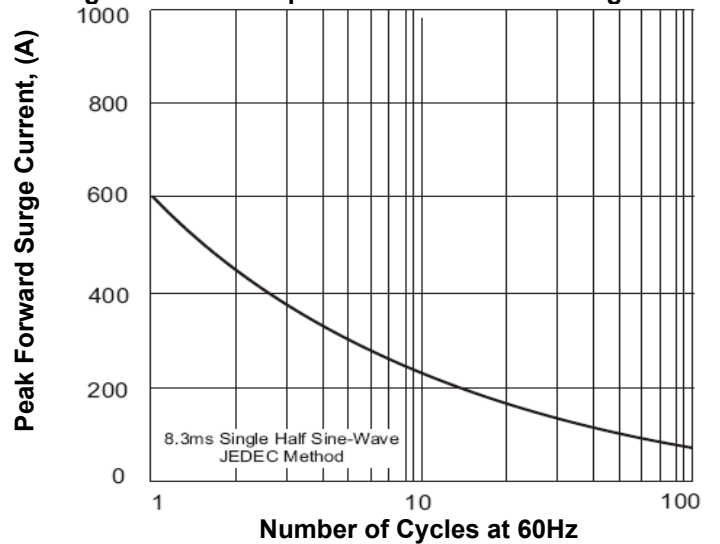


Fig.2-Max. Non-Repetitive Peak Forward Surge Current



10A Standard Rectifiers

T10A05L - T10A100L

Fig.3-Typical Instantaneous Forward Characteristics

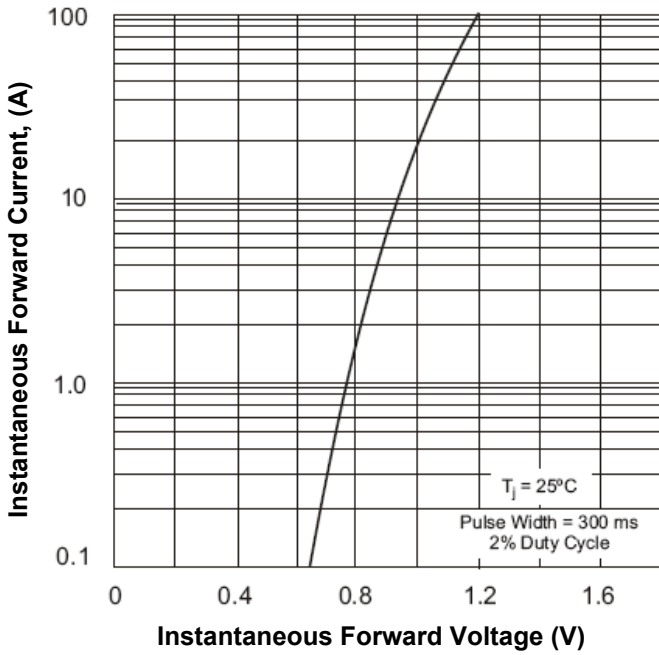
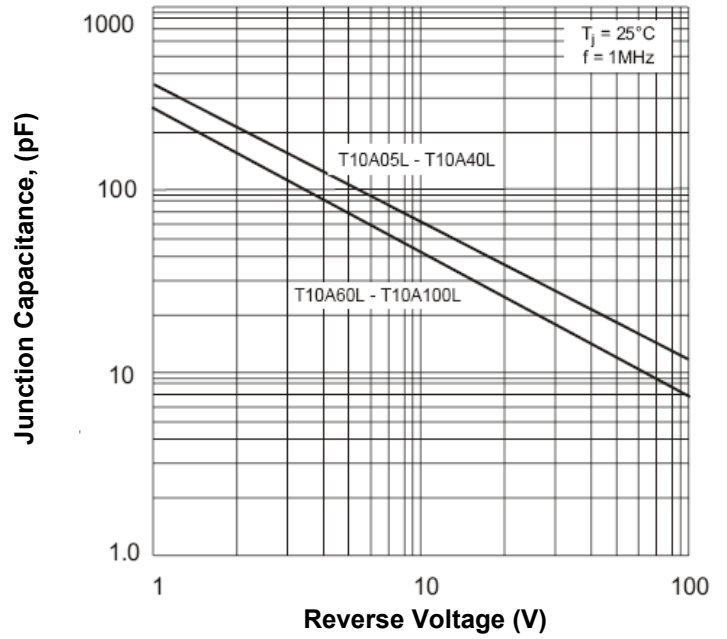


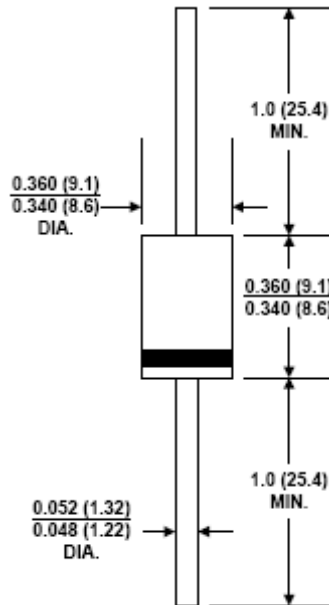
Fig.4- Typical Junction Capacitance



10A Standard Rectifiers

T10A05L - T10A100L

Dimensions in inch (mm)



T6L

How to contact us

USA HEADQUARTERS

28040 WEST HARRISON PARKWAY, VALENCIA, CA 91355-4162

Tel: (800)-TAITRON (800)-824-8766 (661)-257-6060

Fax: (800)-TAITFAX (800)-824-8329 (661)-257-6415

Email: taitron@taitroncomponents.com

Http://www.taitroncomponents.com

TAITRON COMPONENTS INCORPORATED TAIWAN BRANCH

6F., NO.190, SEC. 2, ZHONGXING RD., XINDIAN DIST., NEW TAIPEI CITY 23146, TAIWAN R.O.C.

Tel: 886-2-2913-6238

Fax: 886-2-2913-6239

TAITRON COMPONENT TECHNOLOG SHANGHAI CORPORATION

SUITE 1503, METROBANK PLAZA, 1160 WEST YAN'AN ROAD, SHANGHAI, 200052, CHINA

Tel: +86-21-5424-9942

Fax: +86-21-2302-5027