

GLASS PASSIVATED SUPER FAST RECTIFIERS

PRODUCT SUMMARY

Reverse Voltage 50 to 600 Volts Foward Current 8.0 Amperes

FEATURES

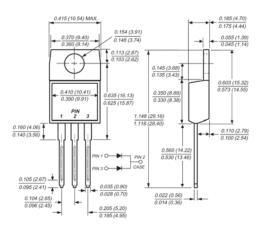
Superfast switching time for hight efficiency Low reverse leakage current High surge capacity

MECHANICAL DATA

Case: TO-220AB full molded plastic package Terminals: Lead solderable per MIL-STD-202, Method 208 Polarity: As marked Standard packaging: Any Weight: 0.08 ounces, 2.24 grams



TO-220AB





Pb-free; RoHS-compliant

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

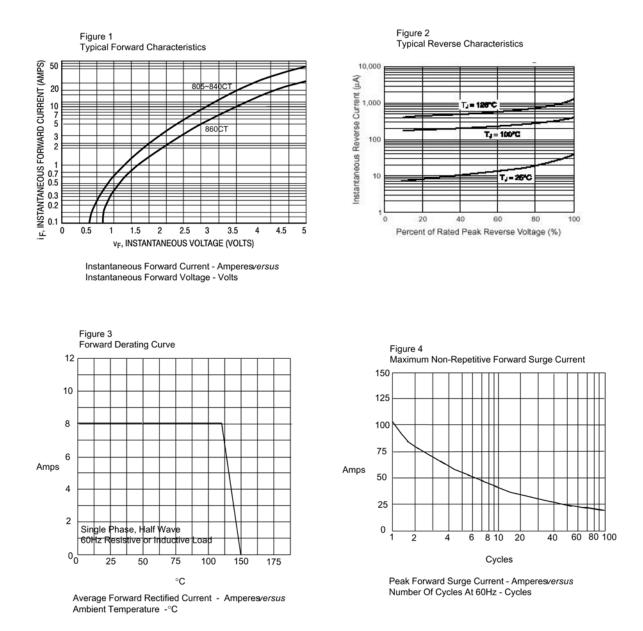
(Ratings at 25°C ambient temperature unless otherwise specified.)

Parameter	Symbol	MUR805CT	MUR810CT	MUR820CT	MUR840CT	MUR860CT	Unit
Maximum repetitive peak reverse voltage	V _{RRM}	50	100	200	400	600	Volts
Maximum RMS voltage	V _{RMS}	35	70	140	280	420	Volts
Maximum DC blocking voltage	V _{DC}	50	100	200	400	600	Volts
Maximum average forward rectified current at T_c =120°C	I _{F(AV)}	8.0					Amps
Peak forward surge current 8.3ms single half sine-wave superimposed on rated load (JEDEC Method)	I _{FSM}	100.0					Amps
Maximum instantaneous forward voltage at 4.0A per element	V _F	2.2 2.8					Volts
Maximum DC reverse current @T_=25°C at rated DC blocking voltage @T_=100°C	l _R	10.0 800					uA
Maximum reverse recovery time at I_{p} =0.5A, I_{n} =1.0A, I_{m} =0.25A	t _{rr}	30 50			0	nS	
Operating junction and storage temperature range	T _J , T _{stg}	-55 to +150					°C

Notes: 1. Pulse test: Pulse width 300 usec, Duty cycle 2%

RATINGS AND CHARACTERISTIC CURVES

($T_A = 25^{\circ}C$ unless otherwise noted)



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