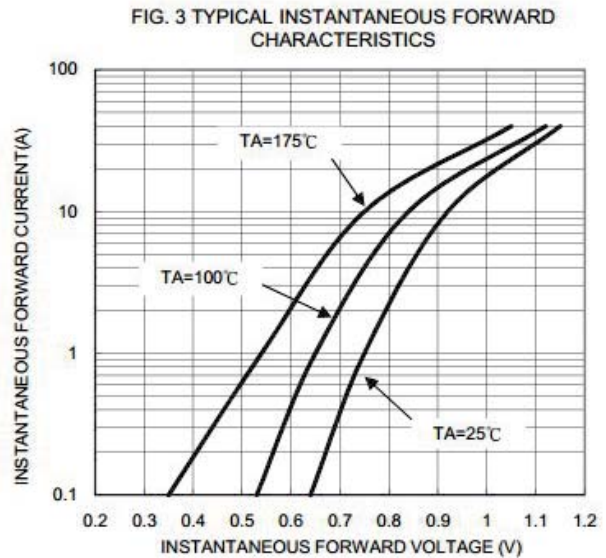
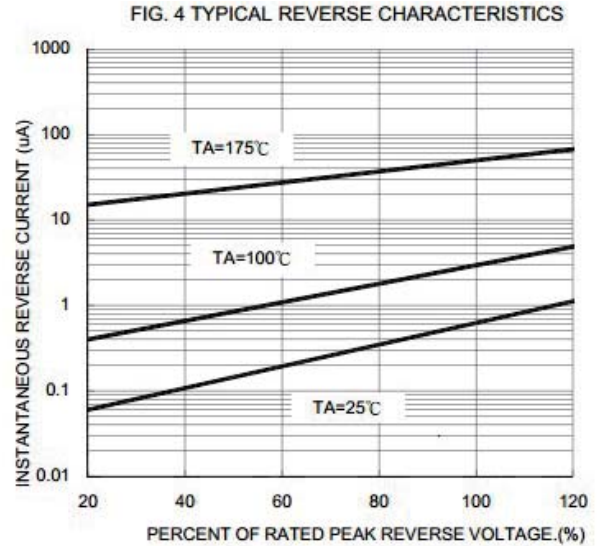
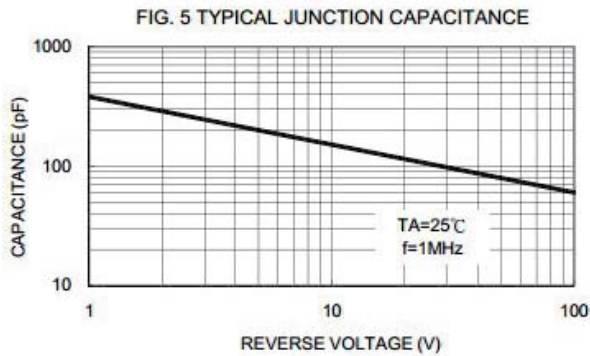
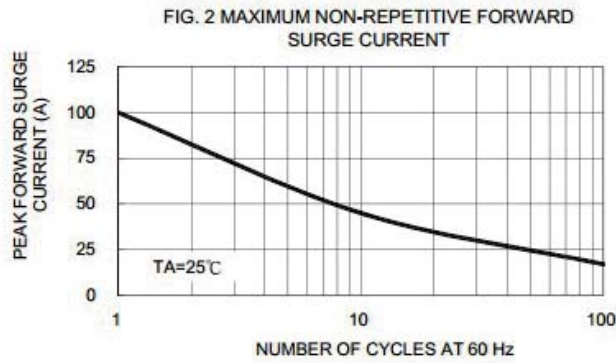
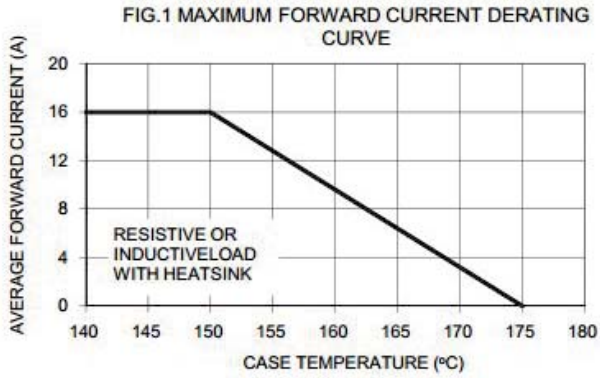




OUTLINE		FEATURES			
TO-220AB		<ul style="list-style-type: none"> • Low forward voltage drop. • High current capability. • High reliability. • Low Power Loss, High Efficiency. • Ultrafast 50 Nanosecond Recovery times. 			
<p>Dimensions in inches and (millimeters)</p>		<p>MECHANICAL DATA</p> <ul style="list-style-type: none"> • Case: Molded plastic • Epoxy: UL 94V-0 rate flame retardant • Lead: Axial leads, solderable per MIL-STD-202, method 208 guranteed • Mounting position: Any • Weight: 1.93 grams 			
MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS					
Rating at 25°C ambient temperature unless otherwise specified. Single, half wave, 60Hzm resistive or inductive load. For capacitive load, derate current by 20%					
Parameter	Symbols	MUR1620	MUR1640	MUR1660	Units
Maximum Recurrent Peak Reverse Voltage	V _{RRM}	200	400	600	Volts
Maximum RMS Voltage	V _{RMS}	140	280	420	Volts
Maximum DC Blocking Voltage	V _{DC}	200	400	600	Volts
Maximum Average Forward Rectified Current	I _F	16			Amp
Peak Forward surge current 8.3ms single half-sine-wave superimposed on rate load (JEDEC method)	I _{FSM}	100			Amp
Maximum Forward Voltage at 10A DC	V _F	1.05	1.3	1.7	Volts
Maximum Reverse Current at TA= 25°C at Rated DC Blocking Voltage at TA= 125°C	I _R	1.0			uAmp
Typical Junction Capacitance (Note 1)	C _J	150			pF
Typical Thermal Resistance (Note 2)	R _{θJA}	30			°C/W
Maximum Reverse Recovery Time (Note 3)	T _{RR}	50			nS
Operating Junction Temperature Range	T _J	-55 ~ +150			°C
Storage Temperature Range	T _{STG}	-55 ~ +150			°C
<p>NOTE :</p> <p>1. Measured at 1 MHz and applied reverse voltage of 4.0 VDC.</p> <p>2. Leads maintained at ambient temperature at a distance of 9.5mm from the case.</p> <p>3. Reverse Recovery Test Conditions: I_F=0.5A, I_R=1A, I_{RR}=0.25A.</p>					

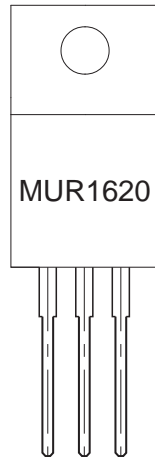
DS-MUR1620 THRU MUR1660 TO-220AB_REV_A-0

RATINGS AND CHARACTERISTIC CURVES





Marking Code



Part No	Marking code
MUR1620	MUR1620
MUR1640	MUR1640
MUR1660	MUR1660

Note: Specifications are subject to change without notice. For more detail and update, please visit our website.

DS-MUR1620 THRU MUR1660 TO-220AB_REV_A-0