



**Ultrafast Recovery Rectifier****MUR3020****THERMAL CHARACTERISTICS**

SYMBOL	PARAMETER	MAX	UNIT
$R_{th\ j-c}$	Thermal Resistance, Junction to Case	1.0	$^{\circ}C/W$

**ELECTRICAL CHARACTERISTICS ( $T_a=25^{\circ}C$ ) (Pulse Test: Pulse Width=300  $\mu$  s, Duty Cycle  $\leq$  2%)**

SYMBOL	PARAMETER	CONDITIONS	MAX	UNIT
$V_F$	Maximum Instantaneous Forward Voltage	$I_F= 30A$	1.68	V
$I_R$	Maximum Instantaneous Reverse Current	$V_{RRM}= 200V$	20	$\mu$ A
$t_{rr}$	Maximum Reverse Recovery Time	$I_F= 0.5A, I_R= 1A, I_{rr}= 0.25A$	60	ns