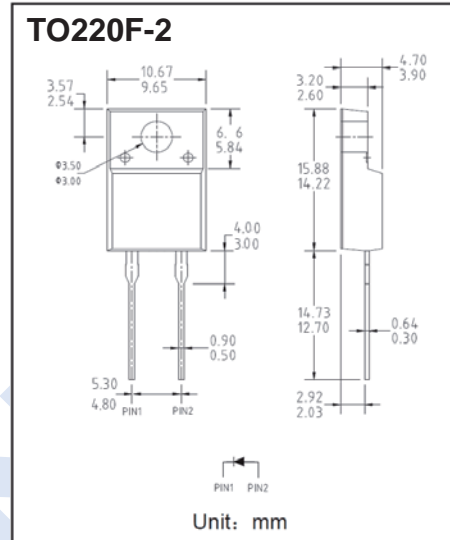


Ultra-Fast Recover Diodes

MUR1010CF ~ MUR1060CF

■ Features

- High Current Capability
- Low Forward Voltage Drop
- Low Power Loss, High Efficiency



■ Absolute Maximum Ratings $T_a = 25^\circ\text{C}$

Parameter	Symbol	MUR1010 CF	MUR1020 CF	MUR1040 CF	MUR1060 CF	Unit
Repetitive Peak Reverse Voltage	V_{RRM}	100	200	400	600	V
RMS Voltage	V_{RMS}	70	140	280	420	
Maximum DC Blocking Voltage	V_{DC}	100	200	400	600	
Forward Voltage $I_F=5A$	V_F	1		1.3	1.5	A
Averaged Forward Current	I_{FAV}	10				
Peak Forward Surge Current @ 8.3ms	I_{FSM}	100				
Maximum DC Reverse Current $T_a=25^\circ\text{C}$ $T_a=125^\circ\text{C}$	I_R	10 250				μA
Maximum Reverse Current $I_F=0.5A$ $I_R=1.0A$ $I_{REC}=0.25A$	t_{rr}	35		50		ns
Typical thermal resistance	$R_{\theta JC}$	3		2		$^\circ\text{C/W}$
Junction Temperature	T_j	150				$^\circ\text{C}$
Storage Temperature	T_{stg}	-55 to 150				

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■ Typical Characteristics

