

# HIGH POWER SUPER FAST RECOVERY RECTIFIERS

## THREE TOWER DEVICES

Part No.	Maximum Recurrent Peak Reverse Voltage	Maximum Average Forward Rectified Current at Per Pak		Peak forward Surge Current 8.3ms Single Half Sine-Wave Superimposed On Rated Load at Per leg	Maximum DC Instantaneous Reverse Current at Per leg @V <sub>RRM</sub>		Maximum Instantaneous Forward Voltage at Per leg @25°C		Maximum Reverse Recovery Time at Per leg
	V <sub>RRM</sub>	I <sub>O@T<sub>c</sub></sub>		I <sub>FSM</sub>	I <sub>R@T<sub>j</sub></sub>		V <sub>F</sub>	I <sub>F</sub>	T <sub>rr</sub>
		A	°C		A	@25°C			
	V <sub>PK</sub>	A	°C	A	μA	mA	V	A	ns



### 100AMP / GLASS PASSIVATED / THREE TOWER

MURT10005( R )	50	100	140	400	25	1	1.30	50	75
MURT10010( R )	100	100	140	400	25	1	1.30	50	75
MURT10020( R )	200	100	140	400	25	1	1.30	50	75
MURT10040( R )	400	100	140	400	25	1	1.35	50	90
MURT10060( R )	600	100	140	400	25	1	1.70	50	110

T<sub>j</sub> and T<sub>stg</sub> of -40°C to +175°C

I<sub>FSM</sub> for 25°C



### 200AMP / GLASS PASSIVATED / THREE TOWER

MURT20005( R )	50	200	140	2000	25	1	1.30	100	75
MURT20010( R )	100	200	140	2000	25	1	1.30	100	75
MURT20020( R )	200	200	140	2000	25	1	1.30	100	75
MURT20040( R )	400	200	140	2000	25	1	1.35	100	90
MURT20060( R )	600	200	140	2000	25	1	1.70	100	160

T<sub>j</sub> and T<sub>stg</sub> of -40°C to +175°C

I<sub>FSM</sub> for 25°C



### 300AMP / GLASS PASSIVATED / THREE TOWER

MURT30005( R )	50	300	140	2750	25	2	1.30	150	100
MURT30010( R )	100	300	140	2750	25	2	1.30	150	100
MURT30020( R )	200	300	140	2750	25	2	1.30	150	100
MURT30040( R )	400	300	140	2750	25	2	1.35	150	150
MURT30060( R )	600	300	140	2750	25	2	1.70	150	200

T<sub>j</sub> and T<sub>stg</sub> of -40°C to +175°C

I<sub>FSM</sub> for 25°C



### 400AMP / GLASS PASSIVATED / THREE TOWER

MURT40005( R )	50	400	140	3300	25	3	1.30	200	125
MURT40010( R )	100	400	140	3300	25	3	1.30	200	125
MURT40020( R )	200	400	140	3300	25	3	1.30	200	125
MURT40040( R )	400	400	140	3300	25	3	1.35	200	180
MURT40060( R )	600	400	140	3300	25	3	1.70	200	240

T<sub>j</sub> and T<sub>stg</sub> of -40°C to +175°C

I<sub>FSM</sub> for 25°C