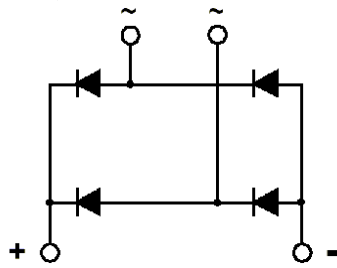


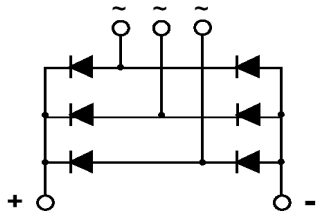
# Single/Three Phase Rectification Bridge Diode



Single Phase

Circuit configuration:Single Phase Bridge

ITEM	$V_{RRM}$	$I_F(AV)$	$I_{FSM}$	$I^2t$	$I_{RRM}$	$V_{FM}/I_{FM}$	$V_{FO}$	$r_F$	$R_{th(j-c)}$	$R_{th(c-h)}$	$T_{jm}$	Viso	Out Line No.
CONDITION	150°C	100°C	10ms		150°C	25°C	150°C		total		°C	V(AC)	
UNIT	V	A	kA	kA <sup>2</sup> s	mA	V/A	V	m·Ω	°C/W				
MB50D** S	800-1,800	50	0.5	1.8	8	1.25/75A	0.70	6.0	0.24	0.070	150	2,500	M20
MB50D** CS													M22
MB50D** C2S													M24
MB50D** C3S													M18
MB75D** S	800-1,800	75	0.6	3.2	8	1.38/120A	0.70	4.2	0.20	0.070	150	2,500	M20
MB75D** CS													M22
MB75D** C2S													M24
MB75D** C3S													M18
MB100D** S	800-1,800	100	1.3	8.6	12	1.40/150A	0.75	2.4	0.14	0.070	150	2,500	M26
MB100D** CS													M30
MB100D** C2S													M28
MB150D** S	800-1,800	150	1.5	16.5	12	1.55/230A	0.75	1.9	0.10	0.070	150	2,500	M26
MB150D** CS													M30
MB150D** C2S													M28



Three Phase

Circuit configuration:Three Phases Bridge

ITEM	$V_{RRM}$	$I_F(AV)$	$I_{FSM}$	$I^2t$	$I_{RRM}$	$V_{FM}/I_{FM}$	$V_{FO}$	$r_F$	$R_{th(j-c)}$	$R_{th(c-h)}$	$T_{jm}$	Viso	Out Line No.
CONDITION	150°C	100°C	10ms		150°C	25°C	150°C		total		°C	V(AC)	
UNIT	V	A	kA	kA <sup>2</sup> s	mA	V/A	V	m·Ω	°C/W				
MT50D**S	800-1,800	50	0.4	0.8	8	1.20/50A	0.7	6.0	0.30	0.070	150	2,500	M21
MT50D**CS													M23
MT50D**C2S													M25
MT50D**C3S													M19
MT75D**S	800-1,800	75	0.5	1.8	8	1.25/75A	0.7	5.0	0.24	0.070	150	2,500	M21
MT75D**CS													M23
MT75D**C2S													M25
MT75D**C3S													M19
MT100D**S	800-1,800	100	0.6	3.2	8	1.30/100A	0.7	4.5	0.20	0.070	150	2,500	M21
MT100D**CS													M23
MT100D**C2S													M25
MT100D**C3S													M19
MT150D**S	800-1,800	150	1.3	8.6	12	1.40/150A	0.75	24	0.14	0.070	150	2,500	M27
MT150D**CS													M31
MT150D**C2S													M29
MT175D**S	800-1,800	175	1.4	11.5	12	1.45/175A	0.75	2.2	0.12	0.070	150	2,500	M27
MT175D**CS													M31
MT175D**C2S													M29
MT200D**S	800-1,800	200	15	14.7	12	1.50/200A	0.75	2.00	0.10	0.070	150	2,500	M27
MT200D**CS													M31
MT200D**C2S													M29