

Non-isolated Diode Modules

Circuit configuration:3Phase Cathode Common

ITEM	V _{RRM}	I _{F(AV)}	I _{FSM}	I _{RRM}	V _{FM} /I _{FM}	V _{FO}	r _F	R _{th(j-c)}	R _{th(c-h)}	T _{jm}	Out Line No.
CONDITION	150°C	100°C	10ms	150°C	25°C	150°C		per chip		°C	
UNIT	V	A	kA	mA	V/A	V	m·Ω	°C/W			
ME100D**NK	800-1,800	100	2.8	6	1.57/300	0.8	2.13	0.38	0.10	150	M10
ME150D**NK	800-1,800	150	4.6	8	1.60/600	0.8	1.53	0.24	0.10	150	M10
ME200D**NK	800-1,800	200	6.2	8	1.50/600	0.8	0.96	0.20	0.10	150	M10
ME250D**NK	800-1,800	250	7.8	20	1.53/750	0.8	0.87	0.15	0.040	150	M11
ME300D**NK	800-1,800	300	10	10	1.50/900	0.8	0.64	0.13	0.040	150	M11

Circuit configuration:3Phase Anode Common

ITEM	V _{RRM}	I _{F(AV)}	I _{FSM}	I _{RRM}	V _{FM} /I _{FM}	V _{FO}	r _F	R _{th(j-c)}	R _{th(c-h)}	T _{jm}	Out Line No.
CONDITION	150°C	100°C	10ms	150°C	25°C	150°C		per chip		°C	
UNIT	V	A	kA	mA	V/A	V	m·Ω	°C/W			
MF100D**NA	800-1,800	100	2.8	6	1.57/300	0.8	2.13	0.38	0.10	150	M10
MF150D**NA	800-1,800	150	4.6	8	1.60/600	0.8	1.53	0.24	0.10	150	M10
MF200D**NA	800-1,800	200	6.2	8	1.50/600	0.8	0.96	0.20	0.10	150	M10
MF250D**NA	800-1,800	250	7.8	20	1.53/750	0.8	0.87	0.15	0.040	150	M11
MF300D**NA	800-1,800	300	10	10	1.50/900	0.8	0.64	0.13	0.040	150	M11

Circuit configuration:Single (Cathode Base)

ITEM	V _{RRM}	I _{F(AV)}	I _{FSM}	I _{RRM}	V _{FM} /I _{FM}	V _{FO}	r _F	R _{th(j-c)}	R _{th(c-h)}	T _{jm}	Out Line No.
CONDITION	150°C	100°C	10ms	150°C	25°C	150°C		per chip		°C	
UNIT	V	A	kA	mA	V/A	V	m·Ω	°C/W			
MH150D**NK	800-1,800	150	4.6	8	1.57/450	0.8	1.53	0.24	0.10	150	M09
MH200D**NK	800-1,800	200	6.2	8	1.50/600	0.8	0.96	0.20	0.10	150	M09
MH250D**NK	800-1,800	250	7.8	10	1.53/750	0.8	0.87	0.15	0.040	150	M12
MH300D**NK	800-1,800	300	10	10	1.50/900	0.8	0.64	0.13	0.040	150	M12

Circuit configuration:Single (Anode Base)

ITEM	V _{RRM}	I _{F(AV)}	I _{FSM}	I _{RRM}	V _{FM} /I _{FM}	V _{FO}	r _F	R _{th(j-c)}	R _{th(c-h)}	T _{jm}	Out Line No.
CONDITION	150°C	100°C	10ms	150°C	25°C	150°C		per chip		°C	
UNIT	V	A	kA	mA	V/A	V	m·Ω	°C/W			
MH150D**NA	800-1,800	150	4.6	8	1.57/450	0.8	1.53	0.24	0.10	150	M09
MH200D**NA	800-1,800	200	6.2	8	1.50/600	0.8	0.96	0.20	0.10	150	M09
MH250D**NA	800-1,800	250	7.8	10	1.53/750	0.8	0.87	0.15	0.040	150	M12
MH300D**NA	800-1,800	300	10	10	1.50/900	0.8	0.64	0.13	0.040	150	M12

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