Schottky Power Diode, 60A

Features

- Fast Switching
- Low forward voltage drop
- High surge capability
- High efficiency, low power loss
- Normal and Reverse polarity



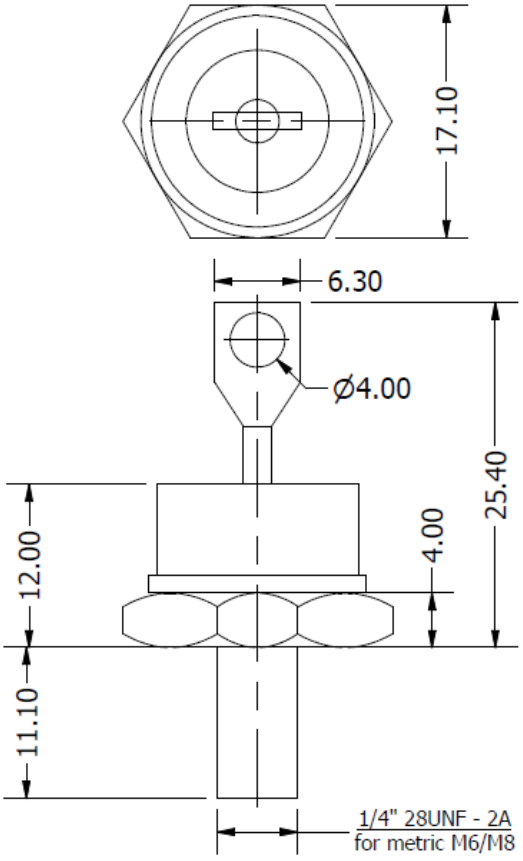
DO-203AB (DO-5)

Maximum Ratings (T_J = 25°C, unless otherwise noted)							
Parameter	**Test Conditions**	**Symbol**	**MBR6020(R)**	**MBR6030(R)**	**MBR6035(R)**	**MBR6040(R)**	**Units**
Repetitive peak reverse voltage		V_{RRM}	20	30	35	40	V
RMS reverse voltage		V_{RMS}	14	21	25	28	V
DC blocking voltage		V_{DC}	20	30	35	40	V
Continuous forward current	$T_C \leq 100°C$	I_F	60	60	60	60	A
Surge non-repetitive forward current, half-sine wave	T_C = 25°C	I_{FSM}	700	700	700	700	A
Forward voltage	I_F = 60 A, T_J = 25°C	V_F	0.65	0.65	0.65	0.65	V
Reverse current	V_R = 20V, T_J = 25°C	I_R	5	5	5	5	mA
	V_R = 20V, T_J = 125°C		150	150	150	150	

Thermal & Mechanical Specifications (T_J = 25°C, unless otherwise noted)						
Parameters	**Symbol**	**MBR6020(R)**	**MBR6030(R)**	**MBR6035(R)**	**MBR6040(R)**	**Units**
Maximum thermal resistance, junction to case	$R_{th(JC)}$	1.0				°C/W
Operating junction temperature range	T_J	-65 to 150				°C
Storage temperature	T_{stg}	-65 to 175				°C
Mounting torque (non-lubricated threads)	F	4.0				Nm
Approximate allowable weight	W	17.0				g

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Package Outline



ALL DIMENSIONS IN MM

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