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1 - ϕ BRIDGE RECTIFIER MB50



FEATURES

- 👉 Reverse voltage upto 1600V
- 👉 Epoxy insulated

TYPICAL APPLICATIONS

- 👉 Internal power supplies for electronic equipments
- 👉 DC Power supplies

**1 - ϕ BRIDGE
RECTIFIER
MB50**



TECHNICAL DATA

DEVICE TYPE

V_{RRM}
(V)

V_{RSM}
(V)

MB50-10	1000	1100
MB50-12	1200	1300
MB50-16	1600	1700

SYMBOL		CONDITION	VALUES
I_{DC}	$T_{case} = 85^{\circ}C$		50 amp.
I_{FSM} I^2_t	$T_{vj}=130^{\circ}C$ $T_{vj}=130^{\circ}C$		500 amp. 1250 A ² S
I_{RRM}	$T_{vj}=25^{\circ}C$ $T_{vj}=130^{\circ}C$		1.0mA 7.0mA
V_F	$T_{vj}=25^{\circ}C$ ($I_F=50$ Amp.); max		1.17 V
V_o R_o	$T_{vj}=25^{\circ}C$ ($I_F=25$ Amp.); max		0.85 V 5 mA
$R_{th(j-c)}$ T_{vj} T_{stg}			1.1 $^{\circ}C/W$ 125 $^{\circ}C$ 125 $^{\circ}C$
Mounting torque			2.5 Nm
Weight	Approx.		20 gm
V_{isol}	A.C. 50hz r.m.s Duration 1 min		2500 V
Package Outline			IR-10,IR-11,IR-12,IR-13

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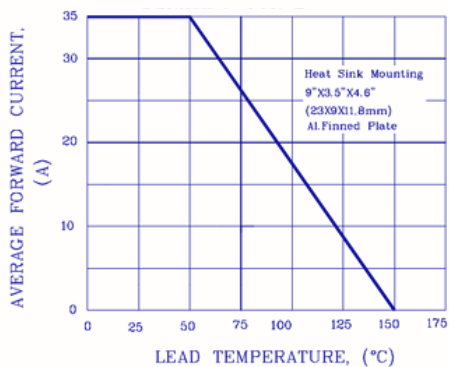


FIG. 1 typical forward current derating curve

FIG. 2 maximum non-repetitive peak forward surge current

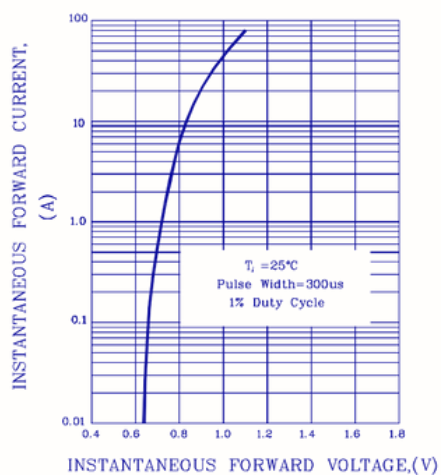
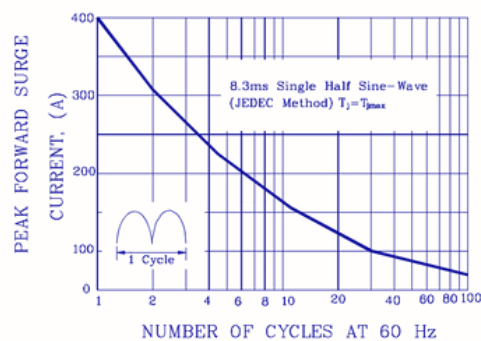


FIG. 3 typical instantaneous forward characteristics

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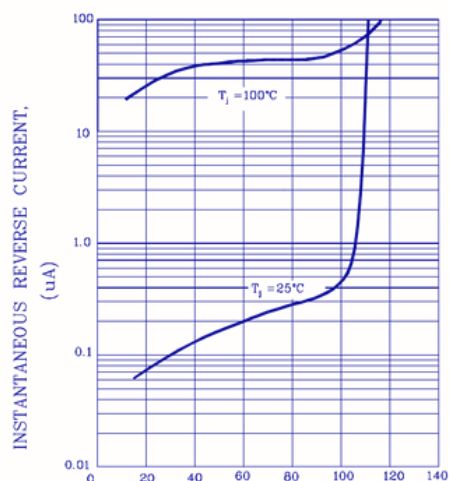
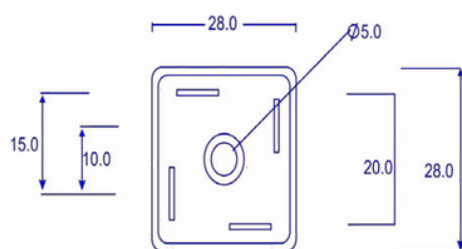
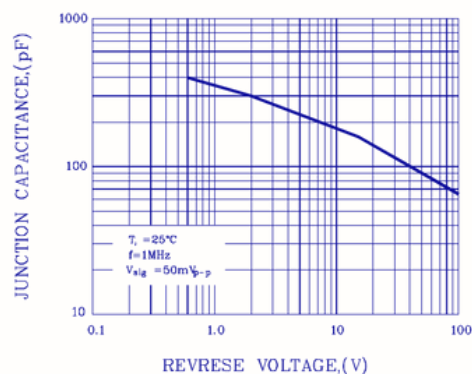


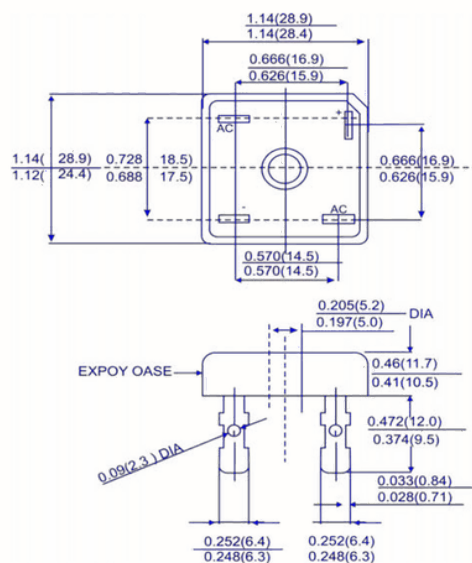
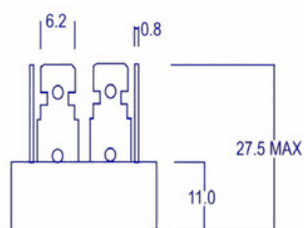
FIG. 4 typical reverse characteristics

FIG. 5 typical junction capacitance



Heavy

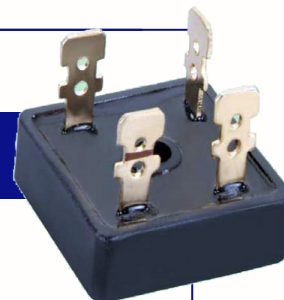
IR-10



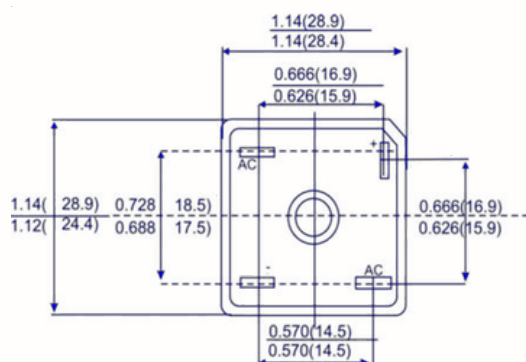
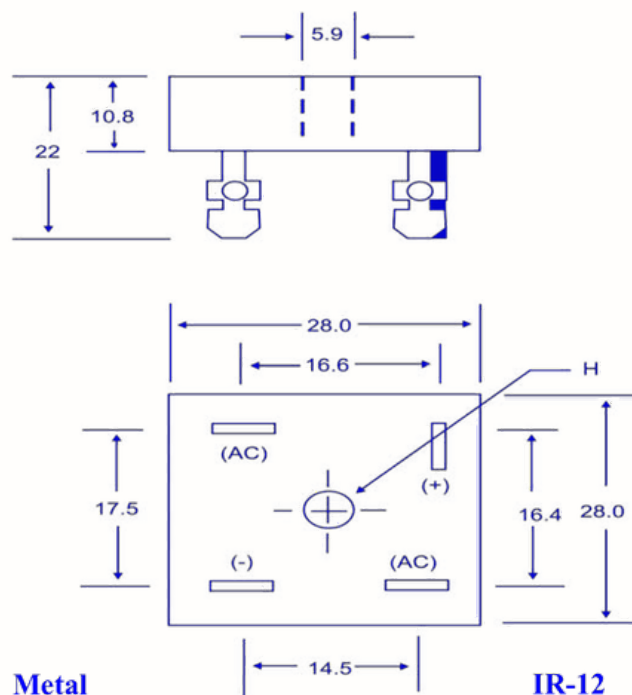
Black

IR-11

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PACKAGE OUTLINE



all dimensions in mm