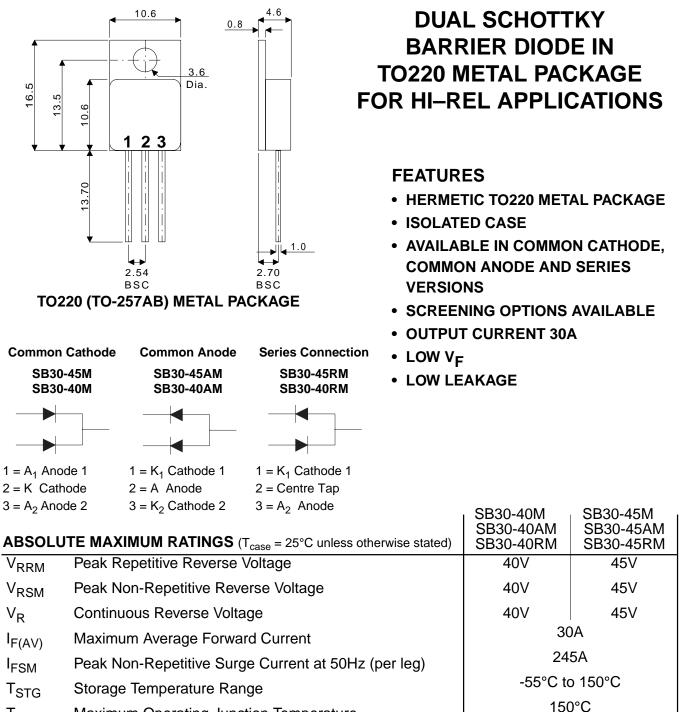


SB30-45M SB30-45AM SB30-45RM

SB30-40M SB30-40AM SB30-40RM

MECHANICAL DATA Dimensions in mm



Semelab PIc reserves the right to change test conditions, parameter limits and package dimensions without notice. Information furnished by Semelab is believed to be both accurate and reliable at the time of going to press. However Semelab assumes no responsibility for any errors or omissions discovered in its use. Semelab encourages customers to verify that datasheets are current before placing orders.

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Maximum Operating Junction Temperature

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ТJ



SB30-45MSB30-40MSB30-45AMSB30-40AMSB30-45RMSB30-40RM

ELECTRICAL CHARACTERISTICS (Per Diode)(T_{CASE} = 25°C unless otherwise stated

	Parameter	Test	Conditions	Min.	Тур.	Max.	Unit
		I _F = 15A	T _J = 25°C			0.6	
V _F	Maximum Forward Voltage Drop	I _F = 20A	T _J = 25°C			0.7	V
	(per leg)*	I _F = 15A	T _J = 125°C			0.7	
		I _F = 20A	T _J = 125°C			0.8	
I _R	Reverse Maximum	$V_R = V_{RRM}$	T _J = 25°C			500	μA
	Leakage Current*	$V_R = V_{RRM}$	T _J = 125°C			30	mA
Cd	Junction Capacitance	V _R = 5 V	f = 1 MHz		500		pF

*Pulse test tp=300 μ s $\delta \leq 2\%$

	Parameter			Unit
R _{TH(j-c)}	Maximum Thermal Resistance Junction To Case	(per package)	1.3	°C/W
R _{TH(j-c)}	Maximum Thermal Resistance Junction To Case	(per leg)	2.4	°C/W

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