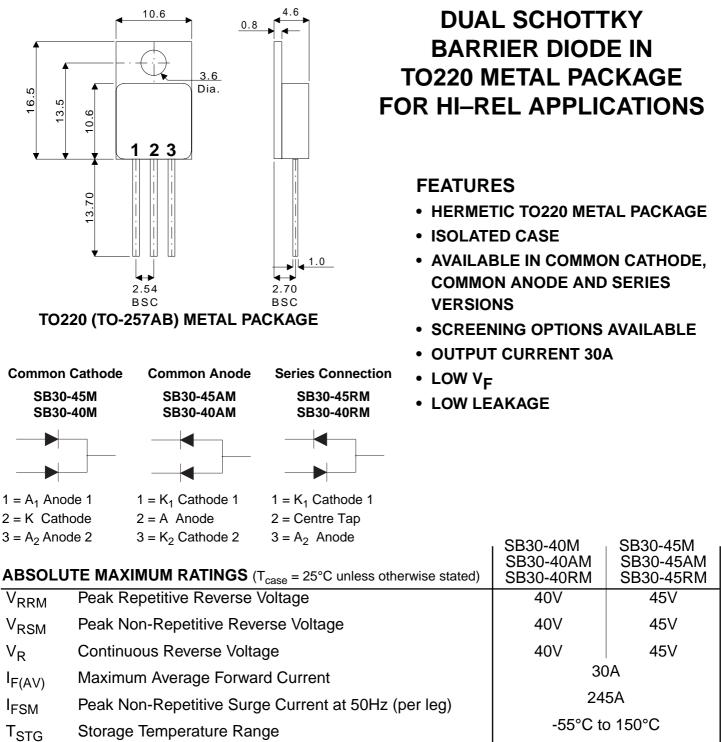


SB30-45M SB30-45AM SB30-45RM SB30-40M SB30-40AM SB30-40RM

MECHANICAL DATA Dimensions in mm



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Maximum Operating Junction Temperature

TJ

150°C



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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	$T_J = 25^{\circ}C$			0.7	v
	(per leg)*	I _F = 15A	T _J = 125°C			0.7	v
		I _F = 20A	T _J = 125°C			0.8	
I _R	Reverse Maximum	$V_{R} = V_{RRM}$	T _J = 25°C			500	μΑ
	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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