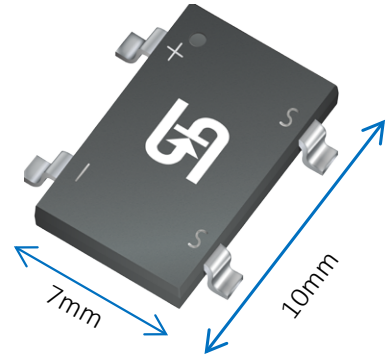


# SMD BRIDGE RECTIFIER – TBS SERIES

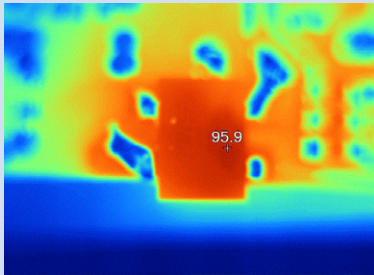
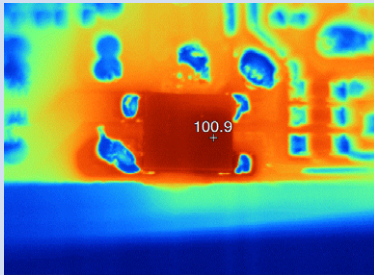
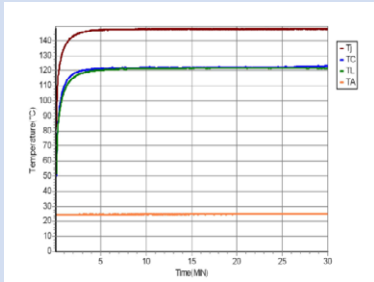
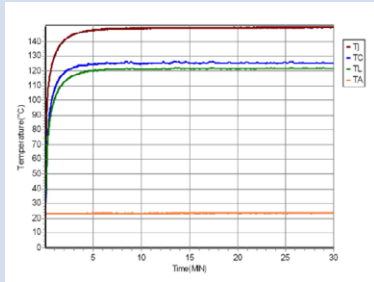
**KEY FEATURES:**

- Optimize higher power application
- Increased creeping distance with a wider pin distance (3,6 mm) between L to N prevents arcing problems
- Manufacturing assembly costs saving in comparison with DIP package
- Power density increase based on lower thermal resistance
- UL certification (Recognized File # E-326854)



PART NUMBER	I <sub>F</sub> [A]	V <sub>RRM</sub> [V]	COMPARABLE ALTERNATIVE		
			DIODES INC.	LITEON	YANGJIE
<a href="#">TBS406</a>	4	600	-	-	YBSM4006
<a href="#">TBS408</a>	4	800	-	-	YBSM4008
<a href="#">TBS410</a>	4	1000	TT410	TT4M	YBSM4010
<a href="#">TBS606</a>	6	600	-	-	YBSM6006
<a href="#">TBS608</a>	6	800	-	-	YBSM6008
<a href="#">TBS610</a>	6	1000	-	TT6M	YBSM6010

## COMPARISON INFORMATION

PACKAGE	TBS (7MM * 10MM)	YBS (6.6MM * 7.3MM)
Thermal (Without Heat Sink)	 <p>95.9°C</p>	 <p>100.9°C</p>
Thermal Resistance	 <p> <math>R_{\theta JA} = 42.545^{\circ}\text{C/W}</math>  <math>R_{\theta JC} = 8.486^{\circ}\text{C/W}</math>  <math>R_{\theta JL} = 9.004^{\circ}\text{C/W}</math> </p>	 <p> <math>R_{\theta JA} = 44.481^{\circ}\text{C/W}</math>  <math>R_{\theta JC} = 8.462^{\circ}\text{C/W}</math>  <math>R_{\theta JL} = 9.8^{\circ}\text{C/W}</math> </p>

For pricing and more information, please contact TSC sales or authorized distributors.