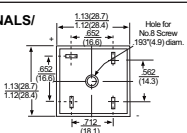
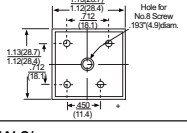
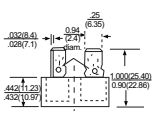
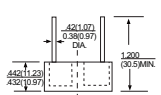
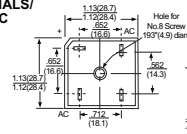
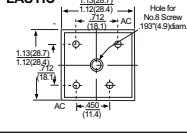
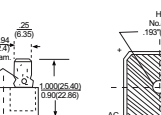
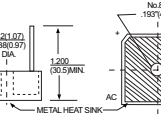


KBPC50 SERIES

SINGLE PHASE 50 AMPS. SILICON BRIDGE RECTIFIERS	Voltage Range 50 to 1000 Volts Current 50 Amperes
FEATURES <ul style="list-style-type: none"> *Surge overload 200-400 Amperes peak *Low forward voltage drop *Mounting Position: Any *Electrically isolated base-1800 Volts *Solderable 0.25" FASTON terminals 	<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>TERMINALS/ METAL</p>  <p>LEAD / METAL</p>  </div> <div style="width: 45%;">   <p style="text-align: right;">KBPC</p> </div> </div> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>TERMINALS/ PLASTIC</p>  <p>LEAD / PLASTIC</p>  </div> <div style="width: 45%;">   <p style="text-align: right;">BR</p> </div> </div>
MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS Rating at 25°C ambient temperature unless otherwise specified. Resistive or inductive load 50Hz. For capacitive load current by 20%	
Type Number	KBPC 50005 KBPC 5001 KBPC 5002 KBPC 5004 KBPC 5006 KBPC 5008 KBPC 5010 UNITS
Maximum Repetitive Peak Reverse Voltage	V _{RRM} 50 100 200 400 600 800 1000 V
Maximum RMS Bridge Input Voltage	V _{RMS} 35 70 140 280 420 560 700 V
Maximum Average Forward Rectified Output Current @T _C = 55°C	I _{F(AV)} KBPC 50 50 A
Peak Forward Surge Current 8.3ms single half sine-wave super imposed on rated load	I _{FSM} 500 A
Maximum Forward Voltage Drop per Leg at 7.5/12.5/17.5/25.0A Peak	V _F 1.2 V
Maximum Reverse Current at Rate DC Blocking Voltage per element @T _A = 25°C	I _R 5 μA
Operating Temperature Range T _c	T _J -55 to +125 °C
Storage Temperature Range T _A	T _{STG} -55 to +150 °C
NOTES: 1. Also available on KBPC 10W/15W/25W/35W/50W series.	

RATING AND CHARACTERISTIC CURVES KBPC50 SERIES

