TRANSIENT VOLTAGE SUPPRESSOR

Bidirectional, 5 to 48V, 1000 Watts Peak

FEATURES

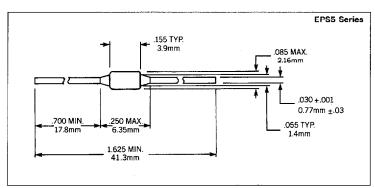
- Bidirectional
- 1000W for 8 x 20 microsec pulse
- · Clamping time in pico seconds
- · Extremely low leakage current
- Voidless hermetically sealed glass package
- · Metallurgically bonded construction

DESCRIPTION

These bidirectional, high speed, voltage protection devices are ideally suited for applications where fast response is essential. The use of passivated die metallurgically bonded on both sides asssures long term reliability. This series is especially useful in protecting microprocessor, MOS, CMOS, TTL, Schottky TTL, ECL, I²L and linear integrated circuits from spurious transient disturbances including NEMP (Nuclear Electromagnetic Pulse) and electrostatic discharge.

ABSOLUTE MAXIMUM RATINGS AT 25°C (PER LEG)

MECHANICAL SPECIFICATIONS





THESE DEVICES ALSO AVAILABLE IN SURFACE MOUNT PACKAGE. SEE SECTION 10



ELECTRICAL CHARACTERISTICS AT 25°C

Туре	Stand-Off Voltage V _K (V)	Minimum Breakdown Voltage BV(min) @ 1mA (V)	Maximum Leakage Current I _K @ V _R (µA)	Maximum Peak Current* I _r (A)	Maximum Clamping Voltage* V _C @ 10A (V)	Maximum Temp. Coef. of EV (%/°C)
EPS8	8	9.0	2	62.1	13.7	.040
EPS12	12	13.8	1	40.3	21.6	.050
EPS15	15	16.7	1	33.9	26.0	.055
EPS17	17	19.0	. 1	30.8	29.2	.060
EPS24	24	28.4	1	22.0	43.2	.070
EPS28	28	31.0	1	19.2	47.8	.075
EPS33	33	36.8	1	16.4	56.7	.080
EPS48	48	54.0	1	11.2	84.3	.090

^{*}See Figure 1.

