

High-reliability discrete products and engineering services since 1977

EPS SERIES

TVS BIDIRECTIONAL 1000W, 5 to 48V

FEATURES

- Available as "HR" (high reliability) screened per MIL-PRF-19500, JANTX level. Add "HR" suffix to base part number.
- Available as non-RoHS (Sn/Pb plating), standard, and as RoHS by adding "-PBF" suffix.

MAXIMUM RATINGS

Characteristics	Value			
Stand-off voltage	5 to 48V			
Peak pulse power (8 x 20 microsec pulse)	1000W			
Peak pulse power (1 millisec pulse)	150W			
Power continuous (T _L = 3/8")	2.5W			
Storage and operating temperature range	-65° to +175°C			

ELECTRICAL CHARACTERISTICS @25°C

Part number	Stand-off voltage V _R	Minimum breakdown voltage B _{V(min)} @ 1mA	Maximum leakage current I _R @ V _R	Maximum peak current I _P	Maximum clamping voltage V _C @ 10A	Maximum temperature coefficient B _V
	V	V	μΑ	Α	V	%/°C
EPS5	5	6.0	50	89.4	9.5	0.030
EPS8	8	9.0	2	62.1	13.7	0.040
EPS12	12	13.8	1	40.3	21.6	0.050
EPS15	15	16.7	1	33.9	26.0	0.055
EPS17	17	19.0	1	30.8	29.2	0.060
EPS24	24	28.4	1	22.0	43.2	0.070
EPS28	28	31.0	1	19.2	47.8	0.075
EPS33	33	36.8	1	16.4	56.7	0.080
EPS48	48	54.0	1	11.2	84.3	0.090



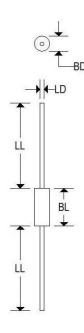
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MECHANICAL CHARACTERISTICS

Case:	Digi A
Polarity:	Cathode band
Marking: Body painted, alpha-numeric	



	Digi A						
	Inches		Millimeters				
	Min	Max	Min	Max			
BD	-	0.095	<u> </u>	2.413			
BL	850	0.180	-	4.572			
LD	0.028	0.032	0.711	0.813			
LL	0.700	- 1	17.800	-			



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