

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

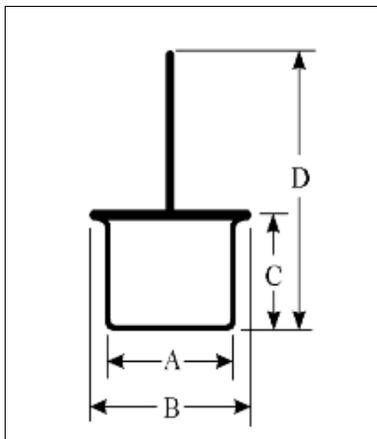
CHARACTERISTIC	SYMBOL	RATING	UNIT
Maximum Recurrent Peak Reverse Voltage	V_{RRM}	400	V
Maximum DC Blocking Voltage	V_{DC}	400	V
Maximum Average Forward Current @ $T_C = 150^\circ\text{C}$	I_O	35	A
Peak Forward Surge Current, 8.3ms single half sine-wave	I_{FSM}	350	A
I^2t for Fusing, 8.3ms single half sine-wave, rms value	I^2t	508	As
Typical Thermal Resistance, junction to case	$R_{\theta JC}$	1.2	$^\circ\text{C}/\text{W}$
Junction Temperature Range	T_J	-40 to +175	$^\circ\text{C}$
Storage Temperature Range	T_{stg}	-40 to +175	$^\circ\text{C}$
Solder Temperature, 30 seconds	T_{SP}	210	$^\circ\text{C}$

ELECTRICAL CHARACTERISTICS ($T_A = 25^\circ\text{C}$ unless otherwise specified)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Maximum Forward Voltage, $I_F = 35\text{A}$	V_F	1.1	V
Maximum Reverse Current	I_R	5.0	μA
Maximum Reverse Current, $T_C = 100^\circ\text{C}$	I_R	500	μA

MECHANICAL CHARACTERISTICS

Case	1.5 mm Press Fit
Marking	Alpha numeric
DGE1704E	Anode is case – Black Insulator
DGE1705E	Cathode is case - Red Insulator
Weight	2.5 grams



	1.5MM PRESS FIT			
	Inches		Millimeters	
	Min	Max	Min	Max
ΦA	0.341	0.345	8.67	8.77
ΦB	0.409	0.417	10.40	10.60
C	0.280	0.287	7.10	7.30
D	1.024	-	26.0	-
ΦLD	0.055	0.063	1.40	1.60