

VOLTAGE RANGE: 50 - 400V
CURRENT: 1.0 A

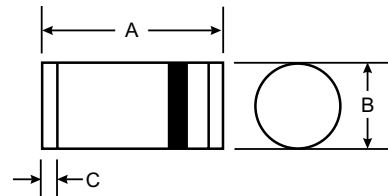


Features

- High current capability
- High surge current capability
- High reliability
- Low reverse current
- Low forward voltage drop
- Super fast recovery time

Mechanical Data

- Case: DO-213AB
- Terminals: Plated terminals, solderable per MIL-STD-750, Method 2026
- Mounting Position: Any
- Weight: 0.116 ounce, 0.0046 gram



LL41/ DO-213AB		
Dim	Min	Max
A	4.80	5.20
B	2.40	2.60
C	0.55 Nominal	
All Dimensions in mm		



Maximum Ratings @ T_A = 25°C unless otherwise specified

Characteristic	Symbol	EGL41A	EGL41B	EGL41C	EGL41D	EGL41F	EGL41G	Unit
Maximum repetitive peak reverse voltage	V _{RRM}	50	100	150	200	300	400	Volts
Maximum RMS voltage	V _{RMS}	35	70	105	140	210	280	Volts
Maximum DC blocking voltage	V _{DC}	50	100	150	200	300	400	Volts
Maximum average forward rectified current at T _T =75°C	I _(AV)	1.0						Amp
Peak forward surge current 8.3ms single half sine-wave superimposed on rated load (JEDEC Method)	I _{FSM}	30.0						Amps
Maximum instantaneous forward voltage at 1.0A	V _F	1.0				1.25		Volts
Maximum DC reverse current at rated DC blocking voltage	I _R	T _A =25°C 5.0				T _A =125°C 50.0		μA
Maximum reverse recovery time (NOTE 1)	t _{rr}	50.0						ns
Typical junction capacitance (NOTE 2)	C _J	20.0				14.0		pF
Maximum thermal resistance (NOTE 3)	R _{θJA}	60.0						°C/W
(NOTE 4)	R _{θJT}	30.0						
Operating junction and storage temperature range	T _J , T _{STG}	-65 to +175						°C

NOTES:

- (1) Reverse recovery test conditions: I_F=0.5A, I_R=1.0A, I_{rr}=0.25A
- (2) Measured at 1.0 MHz and applied reverse voltage of 4.0 Volts
- (3) Thermal resistance from junction to ambient, 0.24 x 0.24" (6.0 x 6.0mm) copper pads to each terminal
- (4) Thermal resistance from junction to terminal, 0.24 x 0.24" (6.0 x 6.0mm) copper pads to each terminal

