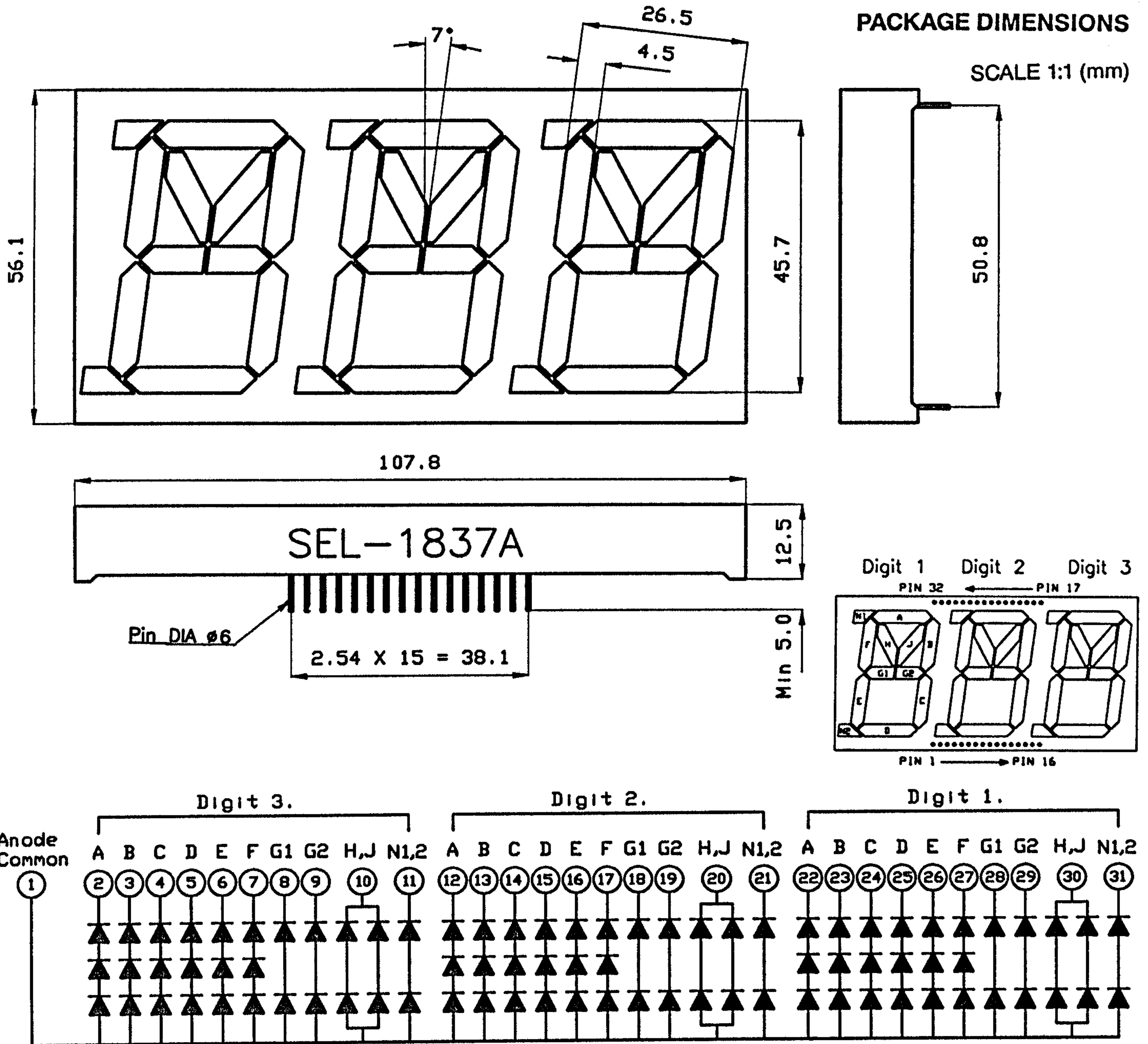


High Reliability 1.8-inch Triple-Digits LED Displays for Elevator

SEL 1830A SEL 1837A



SEL-1837A (Anode Common)

SEL-1830A(Cathode Common) All diodes are reversed polarity.

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Orange SEL1830A-7ASR (GaAsp/GaP)

Absolute Maximum Ratings ($T_a = 25^\circ\text{C}$)

Power dissipation/Total	2160	mW
Power dissipation/Seg	40	mW
Forward current	20	mA
Peak forward current	60*	mA
Reverse voltage	10	V
Operating temperature	-25 ~ +85	$^\circ\text{C}$
Storage temperature	-55 ~ +100	$^\circ\text{C}$

Electrical/Optical Characteristics ($T_a = 25^\circ\text{C}$)

Parameter	Symbol	Conditions	Min	Typ	Max.	Unit
Forward voltage /chip	V_F	$I_F = 10\text{mA}$	—	1.85	2.0	V
Reverse current	I_R	$V_R = 10\text{V}$	—	—	10	μA
Luminous intensity/digit	I_V	$I_F = 10\text{mA}$	200	—	—	μcd
Peak wavelength	λ_P	$I_F = 10\text{mA}$	—	635	—	nm
Spectral line halfwidth	$\Delta\lambda$	$I_F = 10\text{mA}$	—	40	—	nm

POWER SUPPLY

SEGMENT	V_F	CONDITION
A, B, C, D, E, F	5.6V Typ	$I_F = 10\text{mA}$
G1, G2, N1-2	3.7V	$I_F = 10\text{mA}$
H, J	3.7V	$I_F = 20\text{mA}$

* Pulse Width 1 ms
Duty Cycle 1/5