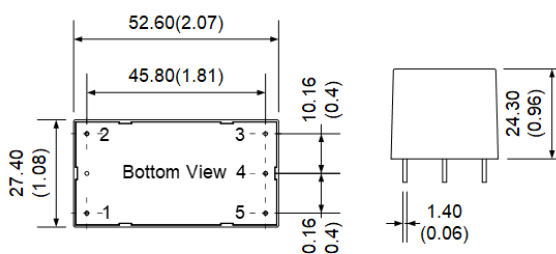
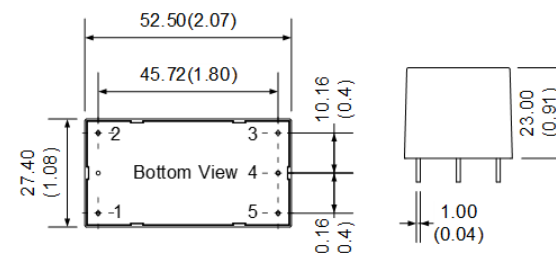


June 5th, 2025

Product Change Notification

PCN #:	AM20250605-3
Issue Date:	June 5 th , 2025
Products series affected:	AMEL20-277HAGY series
Product list:	AMEL20-3S277HAGY, AMEL20-5S277HAGY, AMEL20-9S277HAGY, AMEL20-12S277HAGY, AMEL20-15S277HAGY, AMEL20-24S277HAGY.
Effective Date:	All part numbers listed in the above product list from the AMEL20-277HAGY series shipping from Aimtec as of the issue date of this PCN.
Description of change:	All part numbers listed in the above product list from the AMEL20-277HAGY series have their maximum capacitive load, efficiency, input current, inrush current, leakage current, voltage accuracy, ripple & noise, over current protection, over voltage protection, vibration, weight, dimensions, safety specifications updated as per the details provided in the following ANNEX 1.
Reason for change:	This change has been implemented due to the EOL of critical raw materials.
Customer Impact:	Certain customers may be impacted by these changes in the specifications. Aimtec recommends reviewing the datasheet and testing samples as necessary.
Package Diagram:	N/A

ANNEX 1

Parameter	Updated AMEL20-277HAGY	OLD AMEL20-277HAGY
Maximum capacitive load	3.3Vout: 8000 μ F 5Vout: 8000 μ F 9Vout: 5400 μ F 12Vout: 4000 μ F 15Vout: 3000 μ F 24Vout: 1000 μ F	3.3Vout: 6600 μ F 5Vout: 5000 μ F 9Vout: 2500 μ F 12Vout: 2000 μ F 15Vout: 820 μ F 24Vout: 470 μ F
Efficiency	3.3Vout: 83% 5Vout: 85% 9Vout: 85% 12Vout: 86% 15Vout: 87% 24Vout: 87%	3.3Vout: 76% 5Vout: 79% 9Vout: 82% 12Vout: 84% 15Vout: 84% 24Vout: 85%
Input current	115VAC: 700mA max.	115VAC: 600mA max.
Inrush current	230VAC, cold start: 45A typ.	230VAC, cold start: 40A typ.
Leakage current	277VAC: 0.10mA max.	277VAC: 0.25mA max.
Voltage accuracy	$\pm 1.5\%$ typ.	$\pm 2\%$ typ.
Ripple & noise	150mV p-p max.	200mV p-p max.
Over current protection	Hiccup, Auto recovery, $\geq 110\%$ of Iout typ.	Hiccup, Auto recovery, $\geq 115\%$ of Iout typ., 190% of Iout max.
Over voltage protection	3.3Vout: 9VDC 5Vout: 9VDC 9Vout: 16VDC 12Vout: 16.5VDC 15Vout: 24VDC 24Vout: 34VDC	3.3Vout: 4.95VDC 5Vout: 6.75VDC 9Vout: 12.15VDC 12Vout: 16.2VDC 15Vout: 20.25VDC 24Vout: 32.4VDC
Vibration	10 ~ 500Hz, 2G 10min. /1cycle, period for 60min. each along X,Y,Z axes	10 ~ 500Hz, 5G 10min. /1cycle, period for 60min. each along X,Y,Z axes
Weight	55g	65g
Dimensions	2.07 x 1.08 x 0.96 inches (52.60 x 27.40 x 24.30 mm)  Note: Unit: mm(inch) General tolerance: ± 0.5 (± 0.02) Pin diameter tolerance: ± 0.10 (± 0.004)	2.07 x 1.08 x 0.91 inches (52.50 x 27.40 x 23.00 mm)  Note: Unit: mm(inch) General tolerance: ± 0.5 (± 0.02) Pin diameter tolerance: ± 0.25 (± 0.01)

Safety standards	BS EN/EN 61000-4-2, Level 2 contact $\pm 4\text{KV}$, Level 3 Air $\pm 8\text{KV}$, Criteria A BS EN/EN 61000-4-3, 10V/m , Criteria A BS EN/EN 61000-4-4, $\pm 2\text{KV}$, Criteria A BS EN/EN 61000-4-5, L-L 1KV , Criteria A BS EN/EN 61000-4-6, 10Vr.m.s , Criteria A BS EN/EN 61000-4-8, 10A/m , Criteria A BS EN/EN 61000-4-11, >95% dip 0.5 periods, 30% dip 25 periods, >95% interruptions 250 periods	BS EN/EN61000-4-2,3,4,5,6 Level 3, criteria A;BS EN/EN61000-4-8 Level 4, criteria A;BS EN/EN61000-4-11
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