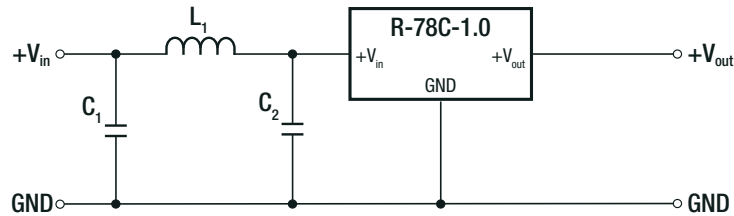


Specifications (measured at Ta= 25°C, minimum load, otherwise specified)

EMC Compliance	Condition	Standard / Criterion
Electromagnetic compatibility of multimedia equipment - Emission requirements	with external filter (see filter suggestion below)	EN55032, Class A and B

EMC Filter Suggestion according to EN55032



Component List Class A

MODEL	C1	L1
R-78C3.3-1.0	10μF	5.6μH choke
R-78C5.0-1.0	100V MLCC	RLS-567

Component List Class B

MODEL	C1	C2	L1
R-78C3.3-1.0	10μF	10μF	12μH choke
R-78C5.0-1.0	100V MLCC	100V MLCC	RLS-126

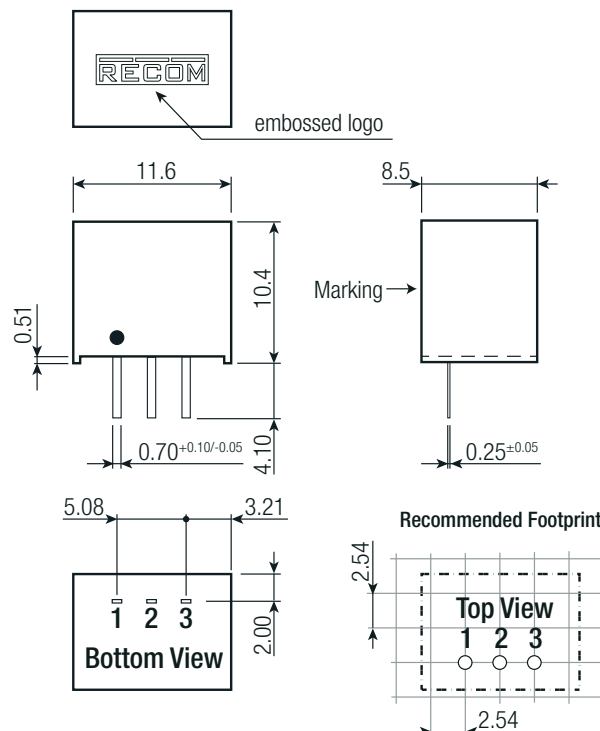
Notes:

Note3: Filter suggestions are valid for indicated part numbers only. For other part numbers, please contact RECOM tech support for advice

DIMENSION AND PHYSICAL CHARACTERISTICS

Parameter		Value
Material	case potting	non-conductive black plastic, (UL94 V-0) silicone, (UL94 V-0)
Package Dimension (LxWxH)		11.6 x 8.5 x 10.4mm
Package Weight		2g typ.

Dimension Drawing (mm)



Pin Connections

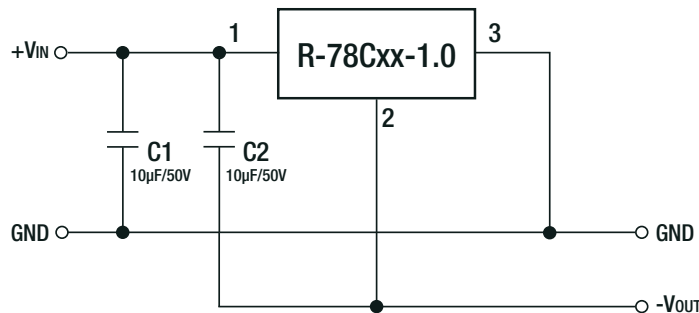
Pin #	Function
1	+Vin
2	GND
3	+Vout

Tolerance: xx.x= ±0.50mm
xx.xx= ±0.25mm

Specifications (measured at Ta= 25°C, minimum load, otherwise specified)

INSTALLATION AND APPLICATION

Positive to Negative Converter



Pin Connections

Pin #	Negative	Positive
1	+Vin	+Vin
2	-Vout	GND
3	GND	+Vout

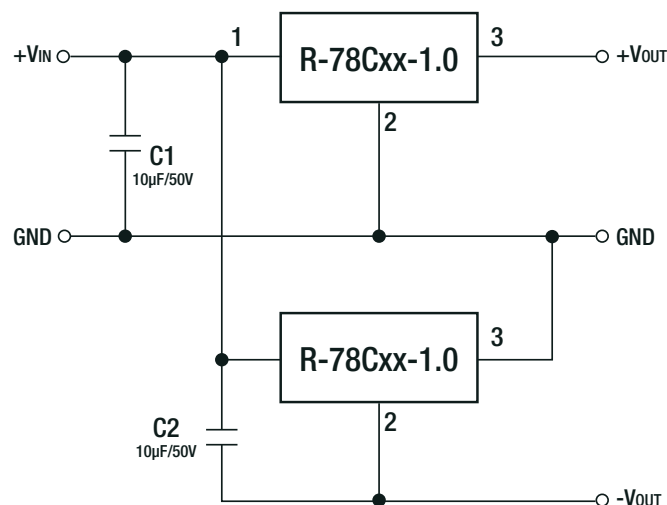
Selection Guide - Negative Output

Part Number	Input Voltage Range ⁽³⁾ [VDC]	Output Voltage [VDC]	Output Current [A]	Efficiency @ min Vin [%]	Efficiency @ max. Vin [%]
R-78C1.8-1.0	5 - 38	-1.8	-0.8	69	70
R-78C3.3-1.0	7 - 37	-3.3	-0.8	77	80
R-78C5.0-1.0	8 - 35	-5	-0.7	79	83
R-78C9.0-1.0	12 - 31	-9	-0.6	85	87
R-78C12-1.0	15 - 28	-12	-0.5	87	89
R-78C15-1.0	18 - 25	-15	-0.5	89	90

Notes:

Note4: When using the R-78C as positive-to-negative converter, the input voltage range is limited

Dual Output (two Converters) with Negative Output



Notes:

Note5: When connecting two R-78C together to create a dual output, both connectors must be connected in parallel. Connecting them in series might cause start-up problems of the second R-78C.