

DUAL POLARITY HIGH VOLTAGE MODULES

0 to + and - 50 through + and - 6000 VDC, @ 1.5, 3, and 10 Watts
CT SERIES

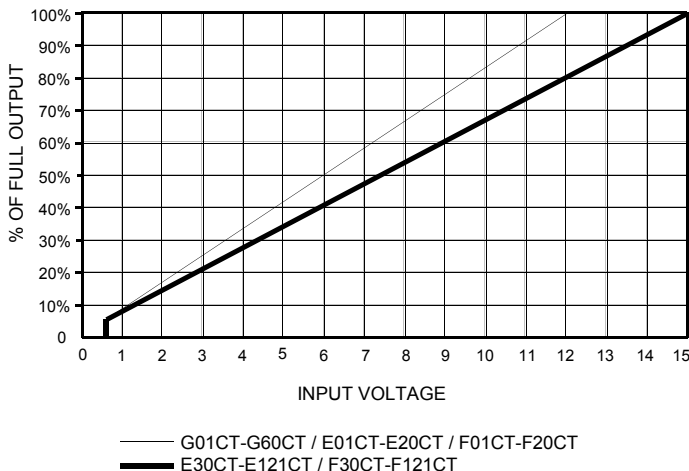
www.emcohighvoltage.com

EMCO
High Voltage Corporation



The CT Series is a line of compact high voltage modules that provide + and - 50 volts through + and - 6000 volts at 1.5w, 3w, and 10 watts with an output center tap feature which, when grounded, provides both positive and negative high voltage outputs from one, compact, low cost module. All CT models feature an isolated output, low ripple, and low EMI/RFI by incorporating a quasi-sinewave oscillator, fully enclosed transformer, and input/output filtering. Positive and negative load currents should be balanced. Call, fax or e-mail with your requirements for immediate attention. Technical assistance is readily available.

TYPICAL INPUT vs. OUTPUT VOLTAGES



MODEL	POWER	OUTPUT VOLTAGE	OUTPUT CURRENT	INPUT VOLTAGE	INPUT CURRENT (NO LOAD)	INPUT CURRENT (FULL LOAD)	RIPPLE	CASE
G01CT	1.5w	0 to +/- 50v	15 mA	0 to 12v	75 mA	250 mA	0.75 %	A
G02CT		0 to +/- 100v	7.5 mA	0 to 12v	75 mA	250 mA	0.25 %	A
G03CT		0 to +/- 150v	5 mA	0 to 12v	75 mA	250 mA	0.2 %	A
G04CT		0 to +/- 200v	3.75 mA	0 to 12v	75 mA	250 mA	0.1 %	A
G05CT		0 to +/- 250v	3 mA	0 to 12v	75 mA	250 mA	0.025 %	A
G06CT		0 to +/- 300v	2.5 mA	0 to 12v	75 mA	250 mA	0.1 %	A
G10CT		0 to +/- 500v	1.5 mA	0 to 12v	75 mA	250 mA	0.1 %	A
G12CT		0 to +/- 600v	1.25 mA	0 to 12v	75 mA	250 mA	0.1 %	A
G15CT		0 to +/- 750v	1 mA	0 to 12v	100 mA	250 mA	0.5 %	A
G20CT		0 to +/- 1000v	0.75 mA	0 to 12v	100 mA	250 mA	0.5 %	A
G25CT		0 to +/- 1250v	0.6 mA	0 to 12v	100 mA	250 mA	1.0 %	B
G30CT		0 to +/- 1500v	0.5 mA	0 to 12v	125 mA	250 mA	1.0 %	B
G40CT		0 to +/- 2000v	0.37 mA	0 to 12v	125 mA	250 mA	1.0 %	B
G50CT		0 to +/- 2500v	0.3 mA	0 to 12v	125 mA	250 mA	2.0 %	B
G60CT		0 to +/- 3000v	0.25 mA	0 to 12v	125 mA	250 mA	2.0 %	B
E01CT	3w	0 to +/- 50v	30 mA	0 to 12v	150 mA	400 mA	0.10 %	C
E02CT		0 to +/- 100v	15 mA	0 to 12v	125 mA	400 mA	0.01 %	C
E03CT		0 to +/- 150v	10 mA	0 to 12v	125 mA	400 mA	1.0 %	C
E05CT		0 to +/- 250v	6 mA	0 to 12v	125 mA	400 mA	0.02 %	C
E06CT		0 to +/- 300v	5 mA	0 to 12v	125 mA	400 mA	0.02%	C
E07-5CT		0 to +/- 375v	4 mA	0 to 12v	125 mA	400 mA	0.02 %	C
E10CT		0 to +/- 500v	3 mA	0 to 12v	125 mA	400 mA	0.02 %	C
E12CT		0 to +/- 600v	2.5 mA	0 to 12v	125 mA	400 mA	0.02 %	C
E15CT		0 to +/- 750v	2 mA	0 to 12v	125 mA	400 mA	0.02 %	C
E20CT		0 to +/- 1000v	1.5 mA	0 to 12v	125 mA	400 mA	0.25 %	C
E30CT		0 to +/- 1500v	1 mA	0 to 15v	150 mA	350 mA	0.25 %	C
E40CT		0 to +/- 2000v	0.75 mA	0 to 15v	150 mA	350 mA	0.50 %	C
E50CT		0 to +/- 2500v	0.6 mA	0 to 15v	150 mA	350 mA	0.50 %	C
E60CT		0 to +/- 3000v	0.5 mA	0 to 15v	150 mA	350 mA	0.50 %	C
E70CT		0 to +/- 3500v	0.429 mA	0 to 15v	150mA	350 mA	1.00 %	D
E80CT		0 to +/- 4000v	0.25 mA	0 to 15v	150 mA	300 mA	1.00 %	D
E101CT		0 to +/- 5000v	0.2 mA	0 to 15v	150 mA	300 mA	1.50 %	D
E121CT		0 to +/- 6000v	0.16 mA	0 to 15v	150 mA	300 mA	1.50 %	D
F01CT	10w	0 to +/- 50v	100 mA	0 to 12v	820 mA	1.75 A	1.0 %	E
F02CT		0 to +/- 100v	50 mA	0 to 12v	380 mA	1.5 A	0.2 %	E
F03CT		0 to +/- 150v	33.3 mA	0 to 12v	365 mA	1.5 A	0.1 %	E
F04CT		0 to +/- 200v	25 mA	0 to 12v	350 mA	1.5 A	0.1 %	E
F05CT		0 to +/- 250v	20 mA	0 to 12v	380 mA	1.5 A	0.05 %	E
F06CT		0 to +/- 300v	16 mA	0 to 12v	380 mA	1.5 A	0.05 %	E
F08CT		0 to +/- 400v	12.5 mA	0 to 12v	300mA	1.5 A	0.05 %	E
F10CT		0 to +/- 500v	10 mA	0 to 12v	300 mA	1.5 A	0.05 %	E
F12CT		0 to +/- 600v	8.33 mA	0 to 12v	250 mA	1.5 A	0.05 %	E
F15CT		0 to +/- 750v	6.6 mA	0 to 12v	290 mA	1.5 A	0.05%	E
F20CT		0 to +/- 1000v	5 mA	0 to 12v	400 mA	1.5 A	1.0 %	E
F30CT		0 to +/- 1500v	3.3 mA	0 to 15v	370 mA	1.5 A	1.0 %	E
F40CT		0 to +/- 2000v	2.5 mA	0 to 15v	390 mA	1.5 A	1.0 %	E
F50CT		0 to +/- 2500v	2 mA	0 to 15v	450 mA	1.5 A	1.0 %	E
F60CT		0 to +/- 3000v	1.66 mA	0 to 15v	600 mA	1.5 A	1.0 %	E
F70CT		0 to +/- 3500	1.5 mA	0 to 15v	250 mA	1.5 A	1.7 %	F
F80CT		0 to +/- 4000v	1.2 mA	0 to 15v	250 mA	1.5 A	1.8 %	F
F101CT		0 to +/- 5000v	1 mA	0 to 15v	250 mA	1.5 A	1.7 %	F
F121CT		0 to +/- 6000v	.85mA	0 to 15v	300 mA	1.5 A	1.5 %	F

e-mail sales@emcohighvoltage.com
Web site www.emcohighvoltage.com

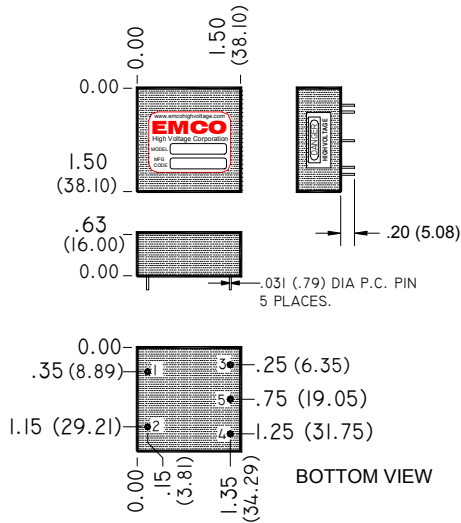
Phone (209) 223-3626 Fax (209) 223-2779
11126 Ridge Road, Sutter Creek CA 95685

We reserve the right to make changes without notification

4721D

CASE A

**G01CT
THRU
G20CT**

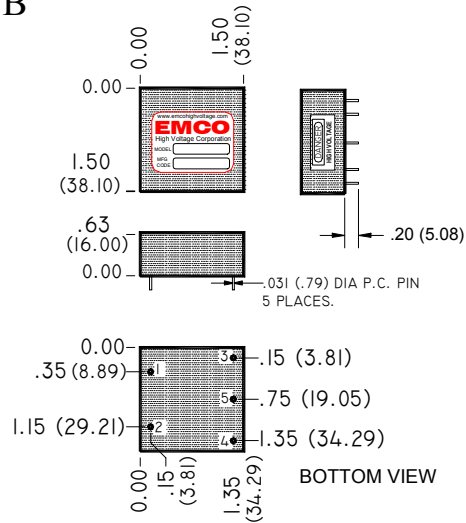


WEIGHT: 1.5 oz. Approx. (42grams)
PACKAGING: Epoxy Encapsulated
CASE MATERIAL: Glass-filled epoxy

AVAILABLE OPTIONS
AB-External Mounting Box

CASE B

**G25CT
THRU
G60CT**

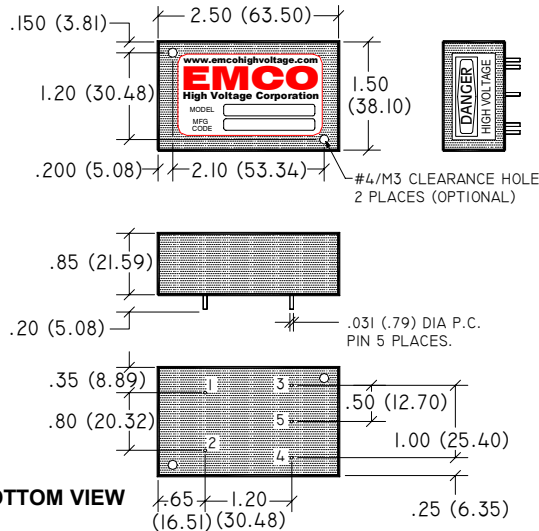


WEIGHT: 1.5 oz. Approx. (42grams)
PACKAGING: Epoxy Encapsulated
CASE MATERIAL: Glass-filled epoxy

AVAILABLE OPTIONS
AB-External Mounting Box

CASE C

**E01CT
THRU
E60CT**

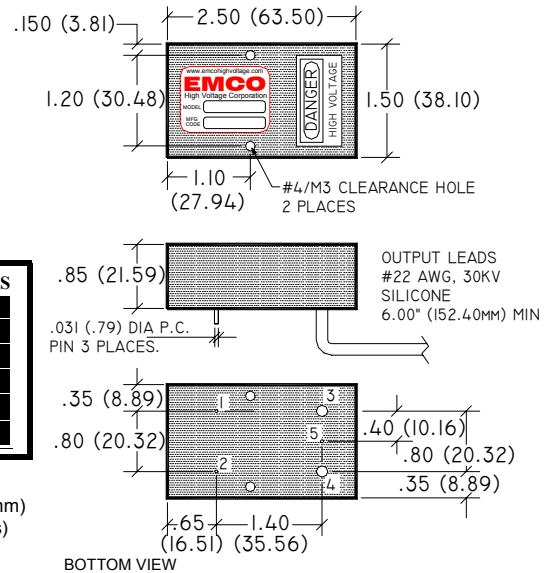


WEIGHT: 3 oz. Approx. (85grams)
PACKAGING: Epoxy Encapsulated
CASE MATERIAL: Glass-filled Epoxy
PINS: 0.031" Diameter (0.79), 0.2" Min. Length (5.08)

AVAILABLE OPTIONS
AB-External Mounting Box
H-Mounting Holes

CASE D

**E70CT
THRU
E121CT**

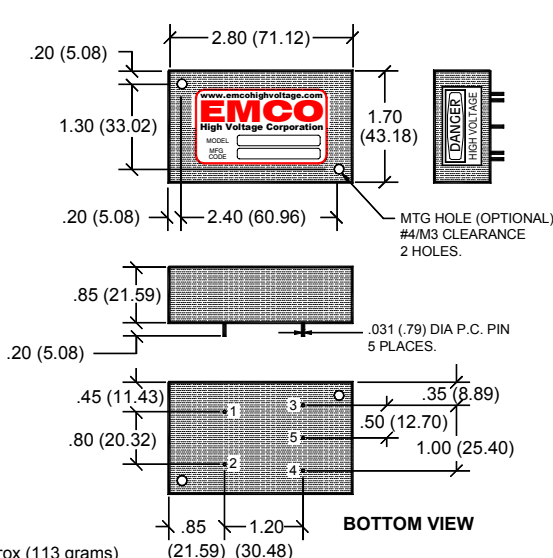


WEIGHT: 3 oz. Approx. (85grams)
PACKAGING: Epoxy Encapsulated
CASE MATERIAL: Glass-filled Epoxy
PINS: 0.031" Diameter (0.79), 0.2" Min. Length (5.08)

AVAILABLE OPTIONS
AB-External Mounting Box

CASE E

**F01CT
THRU
F60CT**

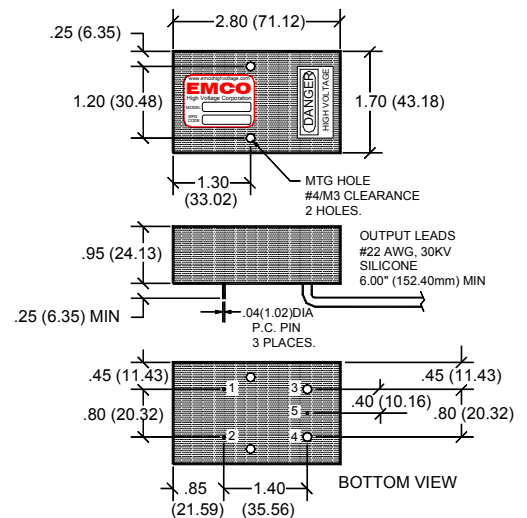


WEIGHT: 4 oz. Approx (113 grams)
PACKAGING: Epoxy Encapsulated
CASE MATERIAL: Aluminum
PINS: 0.031" Diameter (.79), 0.2" Long (5.08)

AVAILABLE OPTIONS
H-Mounting Holes

CASE F

**F70CT
THRU
F121CT**



WEIGHT: 4 oz. Approx (113 grams)
PACKAGING: Epoxy Encapsulated
CASE MATERIAL: Aluminum
PINS: 0.040" Diameter (1.02), 0.2" Long (5.08)

We reserve the right to make changes without notification