



## RP690 Series

## High Voltage/High Current DC Power Line Filter

**RP690**  
**DC TO 500A & 1200V**  
**CHASSIS MOUNT FILTER**  
**INVERTER APPLICATIONS**

**ROHS COMPLIANT**



### SPECIFICATIONS

Operating Freq.	: DC
Max. Operating Voltage	: 1200VDC
Ambient Temperature	: -25 to 50C
Climatic Category	: 25/100/21
Hipot Rating (L-G)	: 4700VDC
Terminals (-T)	: S: 50A (M6) 100/200 (M10) 300 (M12) 500A (M12 DUAL)
Safety Approvals	: cURus, EN60939 (PENDING)

### TYPICAL INSERTION LOSS, dB (50/50ohm)

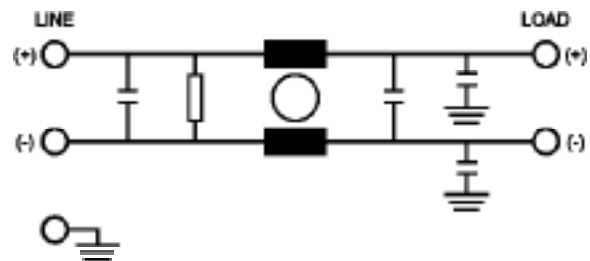
FREQ (MHz)	.15	.5	1.0	10	30
CM(dB)	16	28	36	45	50
DM(dB)	32	60	60	50	50

### PART NUMBER/ ORDERING

RP690	-X (Amps)	-Y (Ycap, nF)	-T	Weight LBS (KG) Typ.
	50	100	S	7.0 (3.2)
	100	1000		11.0 (5.0)
	200	2000		14.0 (6.4)
	300			20.0 (9.1)
	500			27.0 (12.2)

**Note:** Use any combination of -Y with any -X (Amps) rating  
 e.g. RP690-500-100-S (500 Amps with 100nF Ycap)

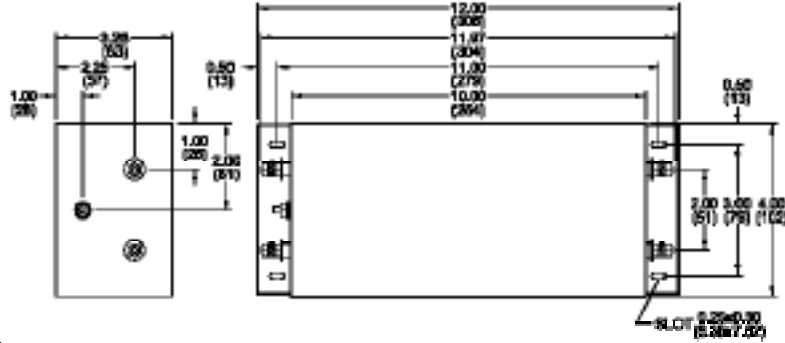
### SCHEMATIC



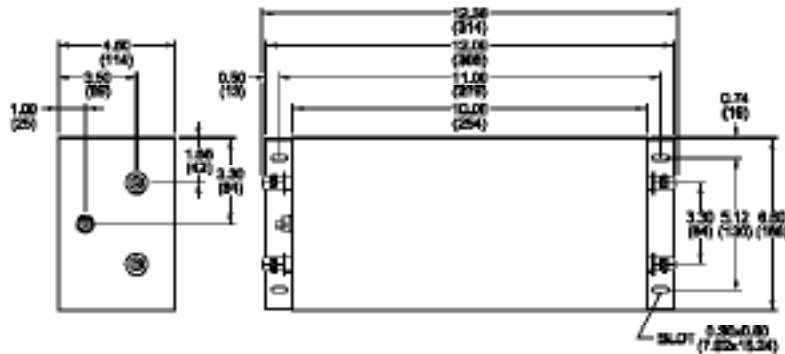
Reference purposes only.  
 Specifications are subject to change.  
 Consult factory to verify specifications.

## RP690 Series Mechanical Dimensions

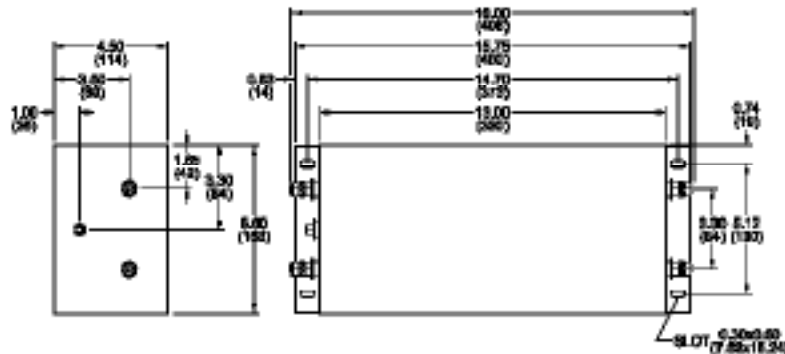
### 50 Amp



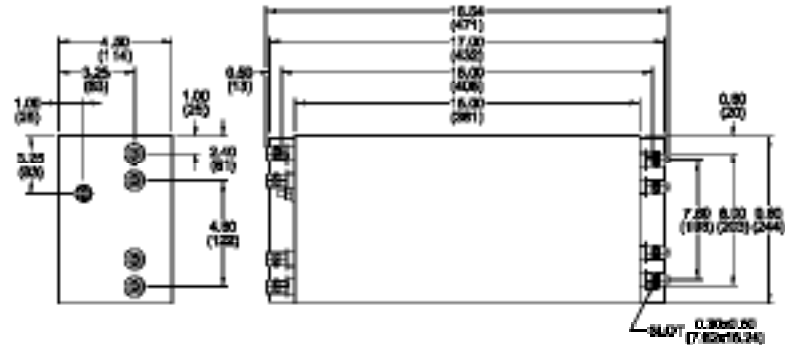
### 100 Amp



### 200/300 Amp



### 500 Amp



TYPICAL TOLERANCE: +/-0.02 (0.50)

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