



**\*NOTE:**  
DO NOT REMOVE NUT & WASHER FASTENED TO SHIELD WHEN INSTALLING JUNCTION BOX

**CAUTION:**  
TO AVOID POSSIBLE ELECTRICAL SHOCK, GROUND STUD MUST BE INSTALLED AND GROUND WIRE MUST BE ATTACHED TO GROUND BEFORE POWER IS APPLIED TO FILTER

**ELECTRICAL:**  
CURRENT RATING: THE FILTERS SHALL BE CAPABLE OF WITHSTANDING 140 % OF RATED CURRENT FOR 15 MINUTES WITHOUT ANY DETERIORATION.

**INSERTION LOSS:** THE FILTERS SHALL PROVIDE THE SPECIFIED INSERTION LOSS OF 100 dB MINIMUM OVER ITS INDICATED FREQUENCY RANGE WHEN MEASURED IN ACCORDANCE WITH THE APPLICABLE MIL-STD-220A BY A GOVERNMENT APPROVED LABORATORY

**VOLTAGE:** THE FILTERS SHALL BE CAPABLE OF OPERATING CONTINUOUSLY AT FULL RATED VOLTAGE AND OF WITHSTANDING AN INITIAL TEST OF TWICE THE RATED VOLTAGE FOR ONE MINUTE

**MECHANICAL:** CASE: THE FILTER CASE SHALL BE MADE OF COLD ROLLED STEEL

**TERMINALS:** THE TERMINALS SHALL BE MADE OF HIGH TEMPERATURE CERAMIC

RFI/EMI POWER LINE FILTER					
INSERTION LOSS 100 DB. - 14 KHZ. TO 10 GHZ. PER MIL. STD. 220 A					APPR.
QTY	PART NO.	AMPS	VOLTS	HZ.	WT. LBS.
-	USC - 50 - 10 x 1	1	24 VDC	0 - 60	5

**CONSTRUCTION:** INPUT AND OUTPUT TERMINALS SHALL BE COMPLETELY ENCLOSED IN RF SHIELDED COMPARTMENTS. COVER ON THE INPUT COMPARTMENT SHALL BE SCREW DOWN TYPE. INTERNAL COMPONENTS SHALL BE MOUNTED AND FIXED TO PREVENT DAMAGE WHEN SUBJECTED TO SHOCK AND VIBRATION TESTS

**FINISH:** ALL FILTER CASES SHALL BE MADE CORROSION RESISTANT WITH IMPREGNANT; THE IMPREGNANT SHALL BE NONFLAMMABLE AS CLASSIFIED SUITABLE PLATING BY UNDERWRITERS LABORATORIES

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON		
FRAC.	DEC.	ANGLES
±	.XX± .02	±
± 1/64	XXX± .005	± 1/2°
SCALE: 6"=1'-0"	NO. REQD.	
NEXT. ASSY.		

TITLE	<b>STANDARD DUAL (10-WIRE) 1 AMP FILTER</b>	
DRAWN:	ALFONSO NOCERA	DATE: 02-27-19
CHECKED:		DATE:
APPROVED:		DATE:

<b>UNIVERSAL SHIELDING CORP.</b>		
20w. JEFFRYN BOULEVARD DEER PARK, N.Y. 11729 PHONE (631) 667-7900 FAX (631) 667-7912 E-MAIL: USC4SHIELD@AOL.COM		
SIZE	DRAWING NUMBER	REV.
A	USC - 50 - 10 x 1	-