

ELECTRICAL SPECIFICATION – LINE POWER INSERTER 3LPI

INSERTION LOSS (dB, Max.) - IN TO OUT		ISOLATION (dB, Min.) - RF TO AC		RETURN LOSS (dB, Min.) - ALL PORTS	
5 - 65 (MHz)	0.8	5 - 47 (MHz)	65	5 - 47 (MHz)	18
65 - 300	1.1	47 - 470	60	47 - 850	18
300 - 550	1.2	470 - 1006	55	950 - 1218	10
550 - 750	1.3	1006 - 1218	50		
750 - 862	1.3				
862 - 1006	1.4				
1006 - 1218	1.6				

GENERAL SPECIFICATIONS

Nominal impedance	75 Ohm	Frequency range	5-1218 MHz
Operating temperature range	-40 C° to +60 C°	Output connectors	5/8
Enclosure classification	IP67	EMC compatibility	EN60782-2, Class A
HUM modulation ⁽³⁾	70 dB @ 10A / 65 VAC	Surge immunity ⁽⁴⁾ Each port (Min.)	2 kV
Nominal current	15A @ 90 VAC	Dimensions (h x w x d)	135 mm x 80 mm x 125 mm
Weight	0.65 kg		

Notes:

- (1) Between 5MHz and 15MHz the above specifications are typical values and not min or max values
- (2) At F≥47 MHz -1.5 dB per octave
- (3) Typically -60dB @ 10A / 65 VAC between 10Mhz and 55Mhz; -50dB @ 10A / 65 VAC below 10Mhz
- (4) 2 kV, 1,2/50 µs surge voltage according to IEC 61000-4-5

ORDERING INFORMATION

3DC-8-yy, 3DC-12-yy, 3DC-16-yy, 3SP-2-yy, 3SP-3-yy, 3SP-3U-yy, 3LPI-yy
 yy = housing type = SA for Scientific Atlanta