



**OPTIONS:**  
 A = Plastic Dip  
 B = Not available  
 C = Shield can supplied with unit  
 D = Not available  
 E = For High Voltage applications  
 F = Foam pad to raise part 0.062" above PC board

ALL SPE series units incorporate option E

Notes:  
 1. Shield can will reduce "L" up to a maximum of 30%

**ALUMINUM SHIELD CAN OPTION C:**  
 - Can height above board 1.09" [27.69] maximum  
 - Can Diameter = 0.900" [22.86] maximum  
 - Can Lug mounting 0.895" +/- 0.010" [22.73 +/- .254] between centers  
 - Can Lugs 0.060" [1.52] wide x 0.016" [.406] thick  
 - Can standoff above board 0.030" [7.62]

ELECTRICAL PARAMETERS				NOMINAL LEAD DIAMETER
PREM P/N	NOMINAL. DCR	INDUCTANCE	DC AMPS	
+ SPE-300	0.017 Ω	47 μH	9.0	0.057" [1.45]
SPE-301	0.021 Ω	56 μH	8.0	0.050" [1.27]
SPE-302	0.028 Ω	68 μH	6.0	0.045" [1.14]
SPE-303	0.031 Ω	82 μH	6.0	0.045" [1.14]
SPE-304	0.036 Ω	100 μH	6.0	0.045" [1.14]
SPE-305	0.046 Ω	120 μH	5.0	0.040" [1.02]
SPE-306	0.054 Ω	150 μH	5.0	0.040" [1.02]
SPE-307	0.072 Ω	180 μH	4.3	0.036" [0.91]
SPE-308	0.078 Ω	220 μH	4.3	0.036" [0.91]
SPE-309	0.091 Ω	270 μH	4.3	0.036" [0.91]
SPE-310	0.120 Ω	330 μH	3.4	0.032" [0.81]
SPE-311	0.134 Ω	390 μH	3.4	0.032" [0.81]
+ SPE-312	0.153 Ω	470 μH	3.4	0.032" [0.81]
SPE-313	0.196 Ω	560 μH	2.7	0.028" [0.71]
SPE-314	0.228 Ω	680 μH	2.5	0.028" [0.71]
SPE-315	0.300 Ω	820 μH	2.5	0.050" [1.27]
SPE-316	0.322 Ω	1000 μH	2.0	0.050" [1.27]
SPE-317	0.383 Ω	1200 μH	2.0	0.050" [1.27]
SPE-318	0.510 Ω	1500 μH	1.5	0.045" [1.14]
+ = OPTION C IS NOT AVAILABLE				

Mech - Elect SPE-300 Series

**Notes**

**ALL DIMENSIONS FOR REFERENCE ONLY**

[ ] = millimeters

**PREM**  
 MAGNETICS INCORPORATED  
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Mech - Elect PREM  
 PART # SPE-300  
 THROUGH SPE-318

Approved: TJK  
 Scale: NONE  
 Date: 10/29/2015

DATE	ISS	REVISION	CHECKED