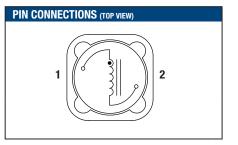




FEATURES
RoHS compliant
■ 1.0µH to 1.0mH
Up to 10A loc
Bobbin format
Surface mount
Integral EMI shield
Compact size
Tape and reel packaging
UL 94V-0 materials
J-STD-020-C reflow

#### DESCRIPTION

The 4700S series is a range of bobbin-wound, surface-mount inductors designed for use in switching power supply, and power line filter circuits. The parts are suitable for any application requiring a high saturation current in a low-profile package. The devices have an integral ferrite shield to reduce EMI.



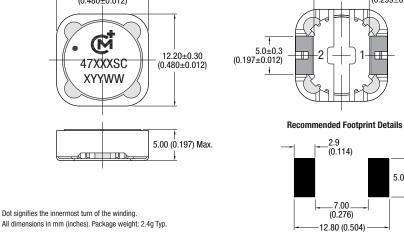


# 4700S Series

#### Shielded Surface Mount Power Inductors

SELECTION GUIDE						
Order Code	Inductance (10kHz, 100mVac) ±20%	DC Current <sup>1</sup>	DC Resistance	SRF	Q F	actor
	Nom.	Max.	Max.	Тур.	Т	yp.
	μH	А	mΩ	MHz	Q	@ f (MHz)
		Discor	ntinued			
471R0SC	1.0 (±30%)	10.0	4.8	79	24	1
472R2SC	2.2 (±30%)	7.0	8.5	44	24	1
473R3SC	3.3 (±30%)	6.4	11.1	36	25	1
474R7SC	4.7 (±30%)	5.8	16.4	34	25	1
476R8SC	6.8 (±30%)	4.6	26.9	24	24	1
47100SC	10	3.8	32.3	22	22	1
47150SC	15	3.2	46.5	18	29	1
47220SC	22	2.7	62.9	14	29	1
47330SC	33	2.2	91.1	13	23	1
47470SC	47	1.9	168	11	23	1
47680SC	68	1.6	210	9	23	1
47101SC	100	1.3	267	8	20	0.8
47151SC	150	1.1	410	7	19	0.8
47221SC	220	0.8	629	6	20	0.8
47331SC	330	0.7	940	5	21	0.8
47471SC	470	0.58	1330	5	23	0.8
47681SC	680	0.48	1780	4	17	0.8
47102SC	1000	0.40	2540	4	17	0.8

# MECHANICAL DIMENSIONS



Dperating free air temperature range	-40°C to 85°C
Storage temperature range	-40°C to 125°C

 Peak reflow solder temperature
 245°C

 Pin finish
 Tin

 Specifications typical at T<sub>A</sub> = 25°C
 Tin

1 Maximum DC current occurs when either the inductance falls to 75% of its nominal value or when its temperature rise reaches 40°C, whichever is sooner.

2 For further information, please visit www.murata-ps.com/rohs

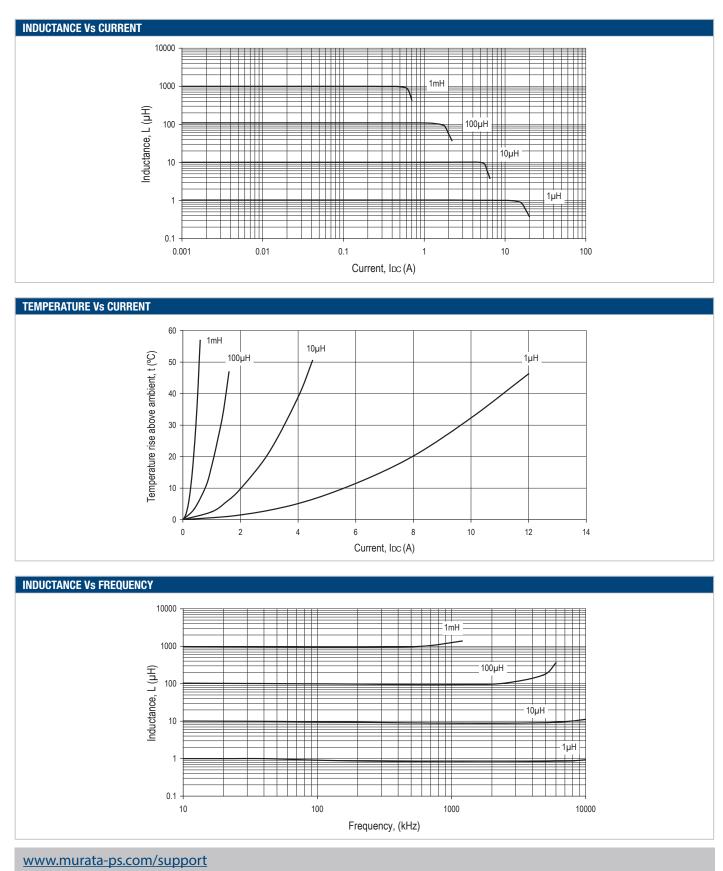
7.60±0.5 (0.299±0.02)

5.00 (0.197)

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# 4700S Series

Shielded Surface Mount Power Inductors

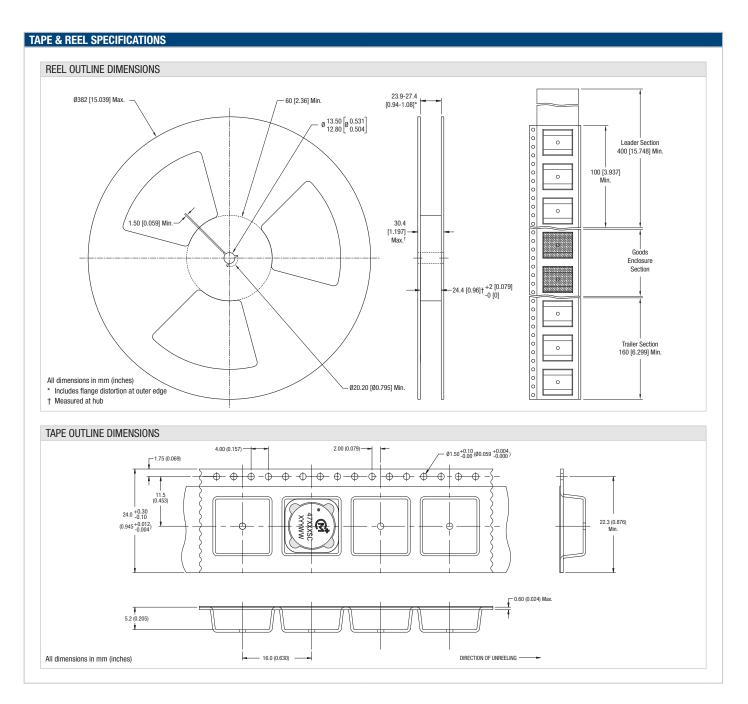


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## **4700S Series**

Shielded Surface Mount Power Inductors



Murata Power Solutions, Inc.

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