

# **4700S Series**

### **Shielded Surface Mount Power Inductors**

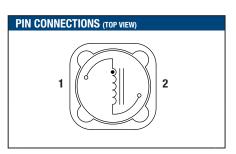


#### **FEATURES**

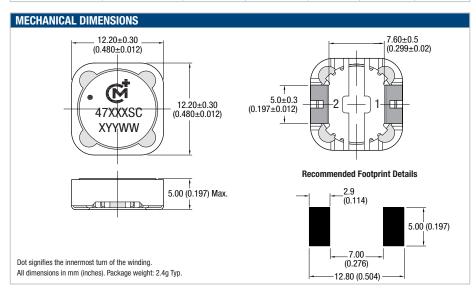
ILAIOILO	
RoHS compliant	
■ 1.0µH to 1.0mH	
■ Up to 10A loc	
■ Bobbin format	
Surface mount	
■ Integral EMI shield	
Compact size	
■ Tape and reel packaging	
■ UL 94V-0 materials	
J-STD-020-C reflow	

#### **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.



ELECTION GUIDE						
Order Code	Inductance (10kHz, 100mVac) ±20%	DC Current <sup>1</sup>	DC Resistance	SRF	Q Factor	
	Nom.	Max.	Max.	Тур.	Тур.	
	μН	Α	mΩ	MHz	Q	@ f (MHz)
		To Be Dis	continued			
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



ABSOLUTE MAXIMUM RATINGS				
Operating free air temperature range	-40°C to 85°C			
Storage temperature range	-40°C to 125°C			



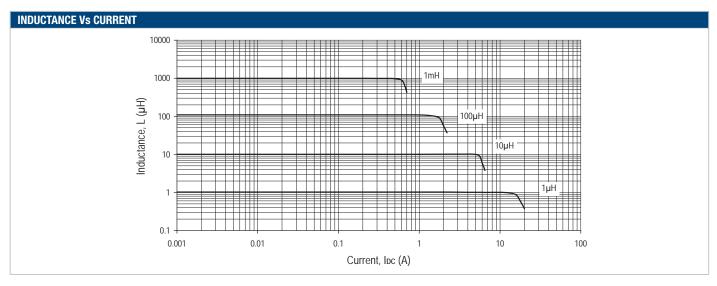


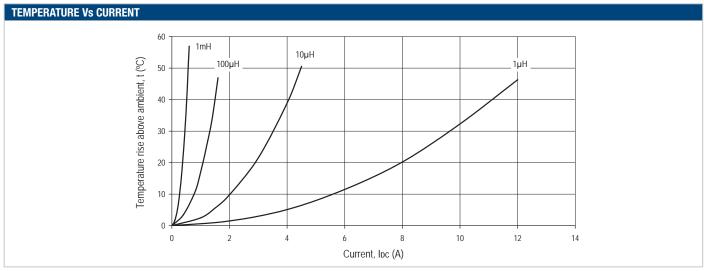


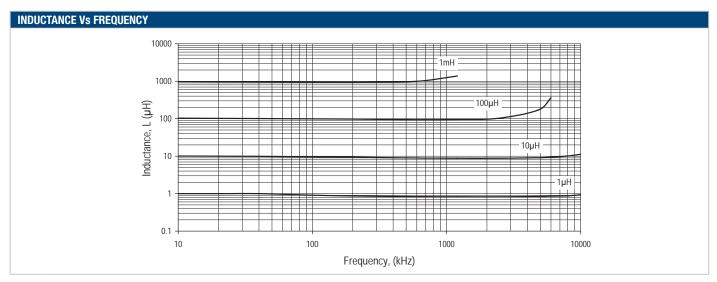
Specifications typical at  $T_A = 25$ °C

- 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

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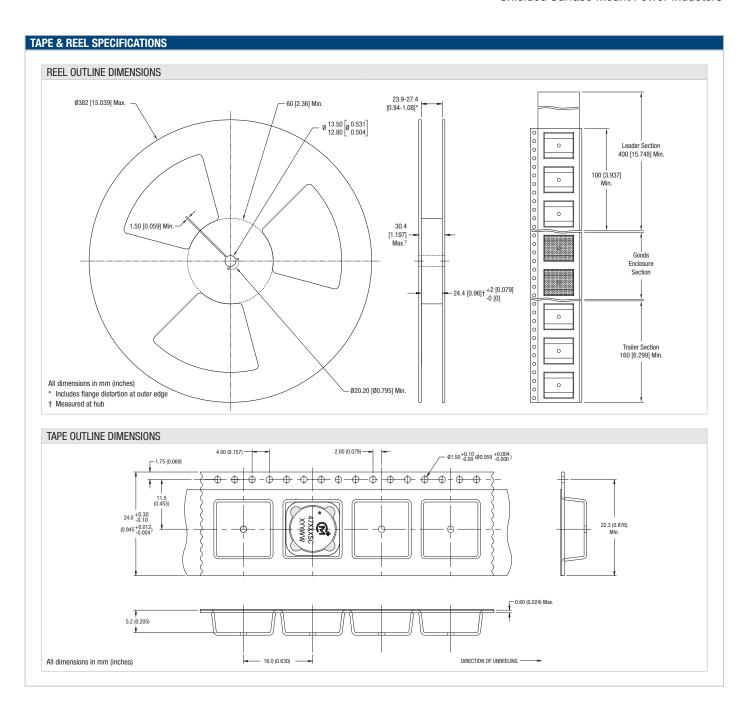








**Shielded Surface Mount Power Inductors** 



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### Murata:

<u>473R3SC</u> <u>47681SC</u> <u>47470SC</u> <u>47330SC</u> <u>47471SC</u> <u>47680SC</u> <u>474R7SC</u> <u>47220SC</u> <u>476R8SC</u> <u>47151SC</u> <u>471R0SC</u> <u>47150SC</u> <u>47150SC</u> <u>47150SC</u> <u>47100SC</u>