## **1200RS Series**

Through Hole Radial Lead Shielded Inductors



muRata P

#### **FEATURES**

RoHS compliant
Radial format
Integral EMI shield
Compact size
Up to 4.6A loc
10μH to 1mH
Low DC resistance
UL 94V-0 materials
Backward compatible with
Sn/Pb soldering systems

#### DESCRIPTION

The 1200RS Series of inductors is suitable for power line filtering in low to medium current applications such as switching power supply circuits. The integral ferrite shield makes these devices ideal for protecting circuits susceptible to EMI.

For lower current versions with the same footprint see our 1200LRS Series.

SELECTION GUIDE			
Order Code	Inductance (0.1V@10kHz)	DC Current <sup>1</sup>	DC Resistance
	±15%	Max.	Max.
	μH	А	mΩ
12RS103C	10 ±20%	4.6	23
12RS153C	15 ±20%	4.0	36
12RS223C	22 ±20%	3.3	42
12RS333C	33	2.7	57
12RS473C	47	2.2	100
12RS683C	68	1.8	150
12RS104C	100	1.4	190
12RS154C	150	1.25	230
12RS224C	220	1.10	290
12RS334C	330	0.85	510
12RS474C	470	0.72	980
12RS684C	680	0.55	1200
12RS105C	1000	0.44	1500

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

#### SOLDERING INFORMATION<sup>2</sup>

Peak wave solder temperature	260°C for 10 seconds
Pin finish	Matte tin

All specifications typical at  $\rm T_A{=}25^{\circ}\rm C$ 

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.

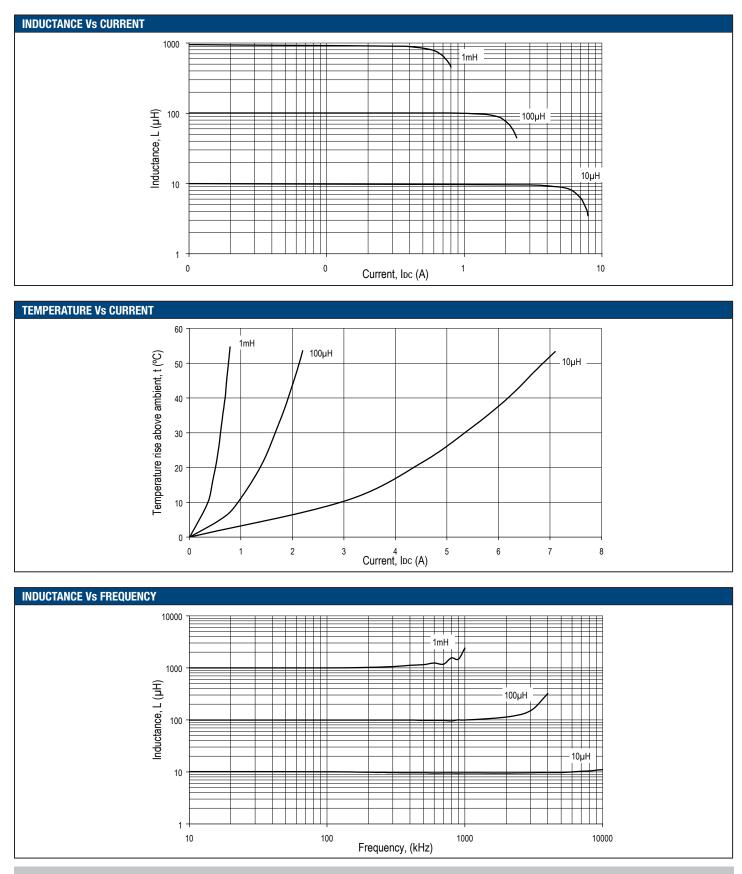
 $\label{eq:constraint} 2 \quad \mbox{For further information, please visit www.murata-ps.com/rohs}$ 



### muRata Ps Murata Power Solutions

### **1200RS Series**

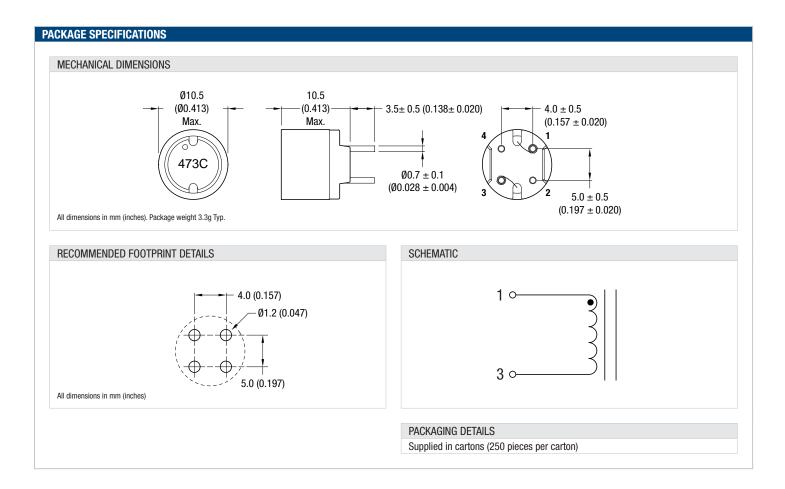
Through Hole Radial Lead Shielded Inductors





### **1200RS Series**

Through Hole Radial Lead Shielded Inductors



Murata Power Solutions, Inc. 11 Cabot Boulevard, Mansfield, MA 02048-1151 U.S.A. ISO 9001 and 14001 REGISTERED

Murata Power Solutions, Inc. makes no representation that the use of its products in the circuits described herein, or the use of other technical information contained herein, will not infringe upon existing or future patent rights. The descriptions contained herein do not imply the granting of licenses to make, use, or sell equipment constructed in accordance therewith. Specifications are subject to change without notice.

www.murata-ps.com/support