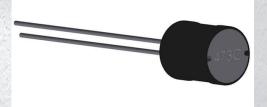


13R226C Datasheet

www.digi-electronics.com



DiGi Electronics Part Number	13R226C-DG
Manufacturer	Murata Power Solutions Inc.
Manufacturer Product Number	13R226C
Description	FIXED IND 22MH 70MA 48 OHM TH
Detailed Description	22 mH Unshielded Wirewound Inductor 70 mA 480 hm Max Radial, Vertical Cylinder

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Purchase and inquiry

Manufacturer Product Number:	Manufacturer:
13R226C	Murata Power Solutions Inc.
Series:	Product Status:
1300R	Active
Туре:	Material - Core:
Wirewound	
Inductance:	Tolerance:
22 mH	±10%
Current Rating (Amps):	Current - Saturation (Isat):
70 mA	
Shielding:	DC Resistance (DCR):
Unshielded	480hm Max
Q @ Freq:	Frequency - Self Resonant:
-	
Ratings:	Operating Temperature:
	-40°C ~ 85°C
Inductance Frequency - Test:	Mounting Type:
1 kHz	Through Hole
Package / Case:	Supplier Device Package:
Radial, Vertical Cylinder	
Size / Dimension:	Height - Seated (Max):
0.374" Dia (9.50mm)	0.531" (13.50mm)
Base Product Number:	
13R	

Environmental & Export classification

RoHS Status:	Moisture Sensitivity Level (MSL):
ROHS3 Compliant	Not Applicable
REACH Status:	ECCN:
REACH Unaffected	EAR99
HTSUS:	
8504.50.8000	





FEATURES

- RoHS compliant
- Radial format
- Up to 6.3A loc
- 1.5µH to 68mH
- Low DC resistance
- UL VW-1 rated sleeving
- Backward compatible with Sn/Pb soldering systems
- Custom parts available

DESCRIPTION

The 1300R Series is a general purpose range of inductors suitable for low to medium current applications such as power supply and other general purpose filtering designs.

ECTION GUIDE			
Order Code	Inductance (1kHz, 0.1Vac)	DC Current ¹	DC Resistance
	±10%	Max.	Max.
	μH	А	Ω
13R152C	1.5 ±20%	6.3	0.008
13R222C	2.2 ±20%	5.3	0.010
13R332C	3.3 ±20%	4.8	0.013
13R472C	4.7 ±20%	4.3	0.017
13R682C	6.8 ±20%	3.5	0.023
13R103C	10	3.0	0.031
13R153C	15	2.5	0.042
13R223C	22	2.0	0.070
13R333C	33	1.8	0.092
13R473C	47	1.5	0.110
13R683C	68	1.3	0.150
13R104C	100	1.0	0.240
13R154C	150	0.82	0.330
13R224C	220	0.70	0.470
13R334C	330	0.58	0.640
13R474C	470	0.45	1.05
13R684C	680	0.42	1.50
13R105C	1.0mH	0.33	2.10
13R155C	1.5mH	0.28	3.10
13R225C	2.2mH	0.24	4.50
13R335C	3.3mH	0.19	7.0
13R475C	4.7mH	0.16	9.3
13R685C	6.8mH	0.13	13.5
13R106C	10mH	0.085	23.8
13R156C	15mH	0.080	31.0
13R226C	22mH	0.070	48.0
13R336C	33mH	0.060	68.0
13R476C	47mH	0.045	120.0
13R686C	68mH	0.040	152.0

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

SOLDERING INFORMATION ²	
Peak wave solder temperature	260°C for 10 seconds
Pin finish	Bright tin



www.murata.com

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

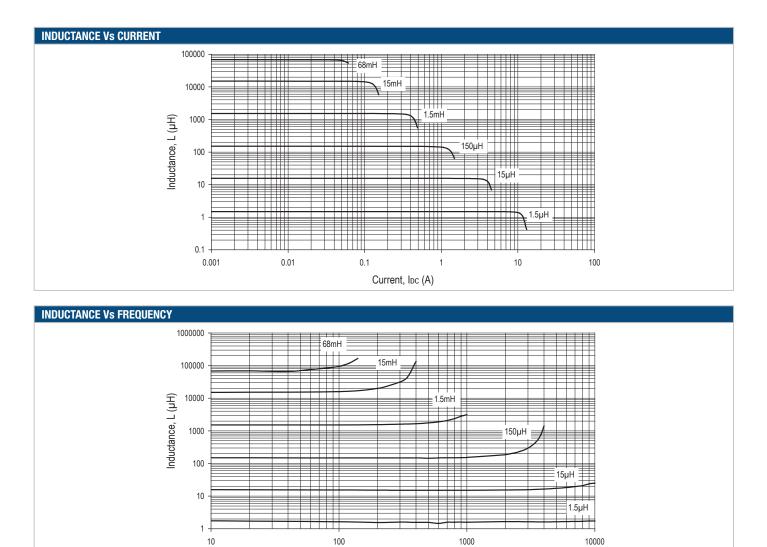
- 1 Maximum DC current occurs when either the inductance falls to 90% of its nominal value or when its temperature rise reaches 30°C,
- whichever is sooner. 2 For further information, please visit www.murata-ps.com/rohs

1300R Series

Radial Lead Inductors

1300R Series

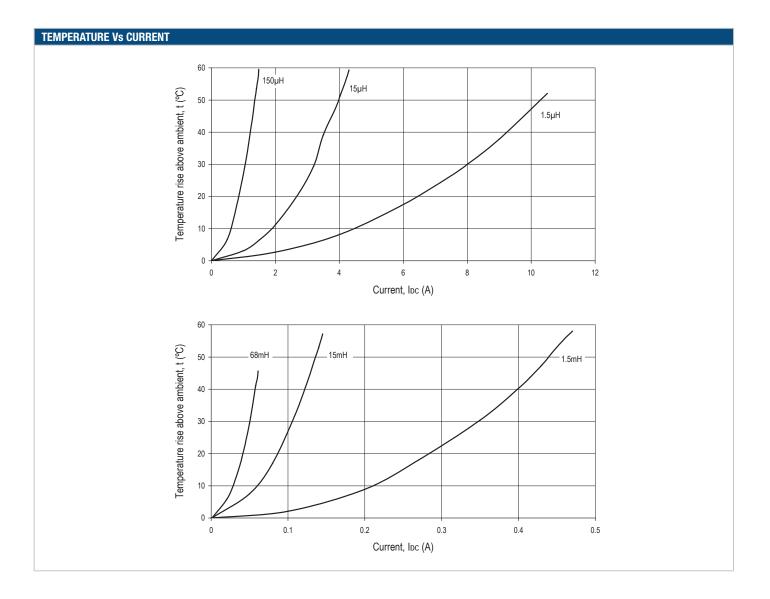
Radial Lead Inductors



Frequency, (kHz)

1300R Series

Radial Lead Inductors

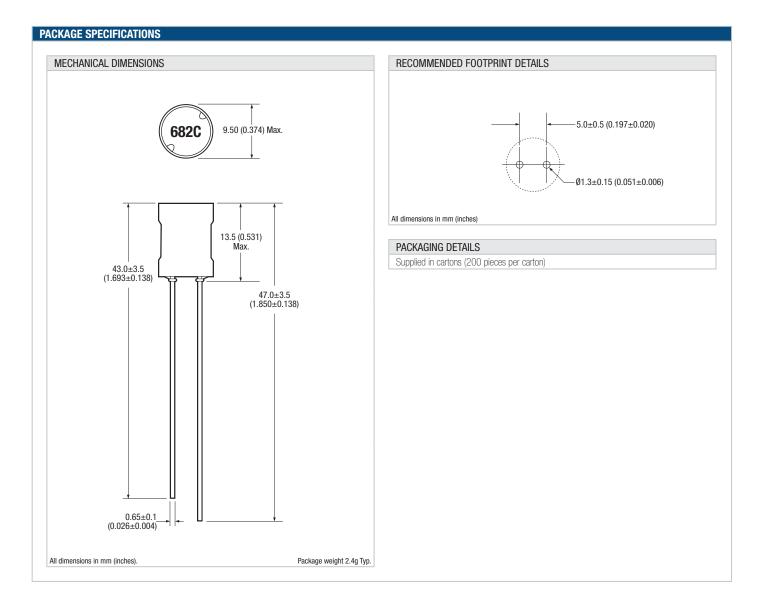


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1300R Series

Radial Lead Inductors



1300R Series

Radial Lead Inductors

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- Aerospace equipment
- Undersea equipment
- Power plant control equipment
- Medical equipment
- Transportation equipment (automobiles, trains, ships, etc.)
- Traffic signal equipment
- Disaster prevention / crime prevention equipment
- Data Processing equipment

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