AMDLA3010S MOLDED INDUCTOR

FEATURES

- Shielded construction
- Soft saturation
- Low DCR per cubic mm
- Designed for switching frequencies between 100KHz-5MHz
- Automotive option available upon request

ELECTRICAL SPECIFICATIONS @ 25°C

PART NUMBER*	INDUCTANCE (uH)	TOLERANCE (%)	IRMS (A)	ISAT (A)		ISTANCE IΩ)	TYPE
	(un)	(70)	(A)	(A)	TYP	MAX	
AMDLA3010S-R15MT	0.15	20	8.0	12	9.3	12	Lead Frame
AMDLA3010S-R22MT	0.22	20	7.0	11	11	14	Lead Frame
AMDLA3010S-R33MT	0.33	20	6.0	10	15	18	Lead Frame
AMDLA3010S-R47MT	0.47	20	4.0	7.0	22	25	Lead Frame
AMDLA3010S-1R0MT	1.0	20	2.8	5.0	40	48	Lead Frame
AMDLA3010S-1R5MT	1.5	20	2.4	4.0	54	65	Lead Frame
AMDLA3010S-2R2MT	2.2	20	1.8	3.5	87	100	Lead Frame
AMDLA3010S-100MT	10.0	20	0.9	1.4	380	430	Lead Frame

* Please refer to Part Identification section

Test Conditions

Inductance: 1 MHz, 1 V, 0 Adc Humidity Range: 65% RH Temperature Rise Current: Current measured at Δ T of 40°C Saturation Current: Current measured at Δ L of 30%

PART BUILDER



*Refer to Electrical Specification table

Series

1. Tolerance: M = 20%



2. Packaging: B = Bulk

T = Tape and Reel (4,000pcs/reel)

GENERAL SPECIFICATIONS

Operating Temperature: -55°C to +125°C with (40°C rise) Irms current. **Maximum Part Temperature:** +125°C

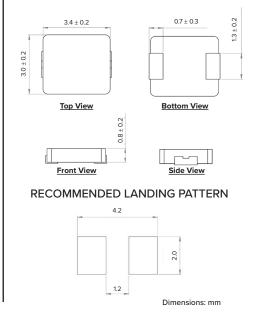
Components Storage Temperature: -55°C to +125°C Tape and Reel Packaging

Temperature: -20°C to +65°C MSL: Level 1

MATERIALS

Core:Metal AlloyWire:CopperTerminal:Tin PlatingInk:Black

PRODUCT DIMENSIONS







Check Inventory 🕥

ROHS COMPLIANT

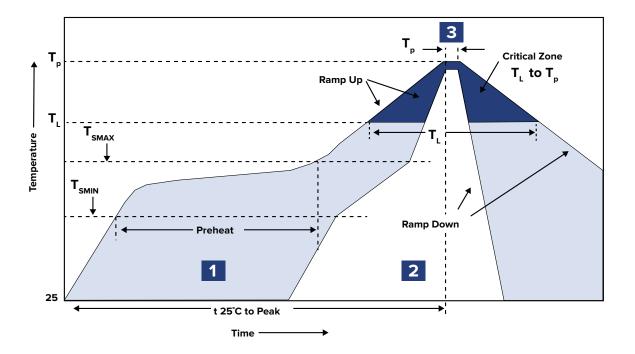
ISO

9001:2015 CERTIFIED

Request Samples 🕥



RECOMMENDED REFLOW PROFILE



ZONE	DESCRIPTION	TEMPERATURE	TIMES
1	Preheat	T _{smin} [∼] T _{smax} 150°C [∼] 180°C	60 ~ 120 sec.
2	Reflow	Τ _∟ 230℃	30 ~ 40 sec.
3	Peak Heat	Т _Р 250°С+0/-5°С	10 sec. MAX

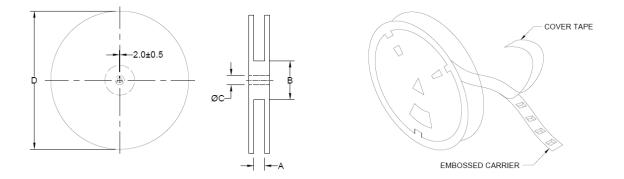


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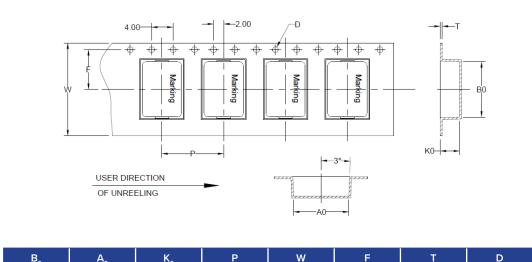


PACKAGING

Tape and Reel:	4,000
Units per Carton:	32,000
T&R per Carton:	8
Weight per Carton:	12.0 kg
Weight per Unit:	0.32 g
Carton Dimensions:	360 x 360 x 400 mm



ТҮРЕ	А	В	С	D
13" x 12 mm	12.4 +2/-0	100.0 ± 0.5	13.0 +0.5/-0.2	330.0



Dimensions:	mm

1.5

This product is commercial off-the-shelf (COTS) and not specifically designed for automotive, military, aviation, aerospace, implantable, life-dependent medical or safety applications. This product is not recommended for use in any application requiring high reliability in which component failure could result in loss of life and/or property damage without prior written approval from Abracon. Specifications are subject to change without notice. Contact Abracon for more information.

3.8 ± 0.1 3.4 ± 0.1 1.5 ± 0.1 8.0 ± 0.1 12.0 ± 0.3 5.5 ± 0.1 0.3 ± 0.05



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