

- AEC-Q200 compliant, Grade 1
- PPAP ready and supported
- Manufactured in TS/IATF 16949 production lines
- Excellent impedance characteristics

- Differential signal line common mode noise suppression.
- Multimedia devices
- Automotive applications such as ADAS, Infotainment, Sensing, TCU
- Automotive Ethernet

Electrical Specifications

Part Number	Inductance (μH) (+50%/-30%)	DCR (mΩ)	Rated Current (A)	Rated Voltage (Vdc)	Insulation Resistance (MΩ)	
		Max	Max	Max	Min	
ACMS-Q3225E-101	100	1500	0.15	80	10	
ACMS-Q3225E-201	200	4000	0.07	80	10	

Rated Current is based on an Irms temperature rise of 20°C.

Inductance Test Conditions: 0.1MHz/0.1V

ACMS-Q3225E is AEC-Q200 Automotive certified.

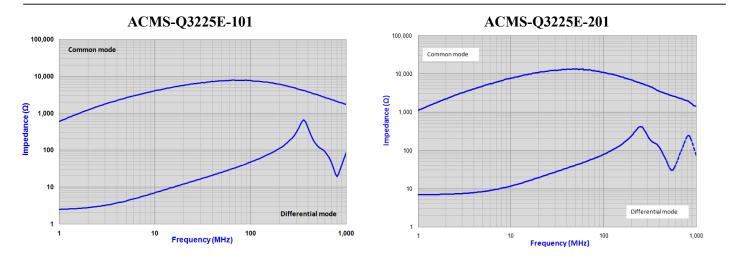
ACMS-Q3225E Series is RoHS Compliant and Pb free.

Operating Temperature: -40°C to +125°C (Including self-heating)

Storage Temperature (on PCB): -40°C to +125°C.

Storage (in original packaging): <40°C, <70% RH.

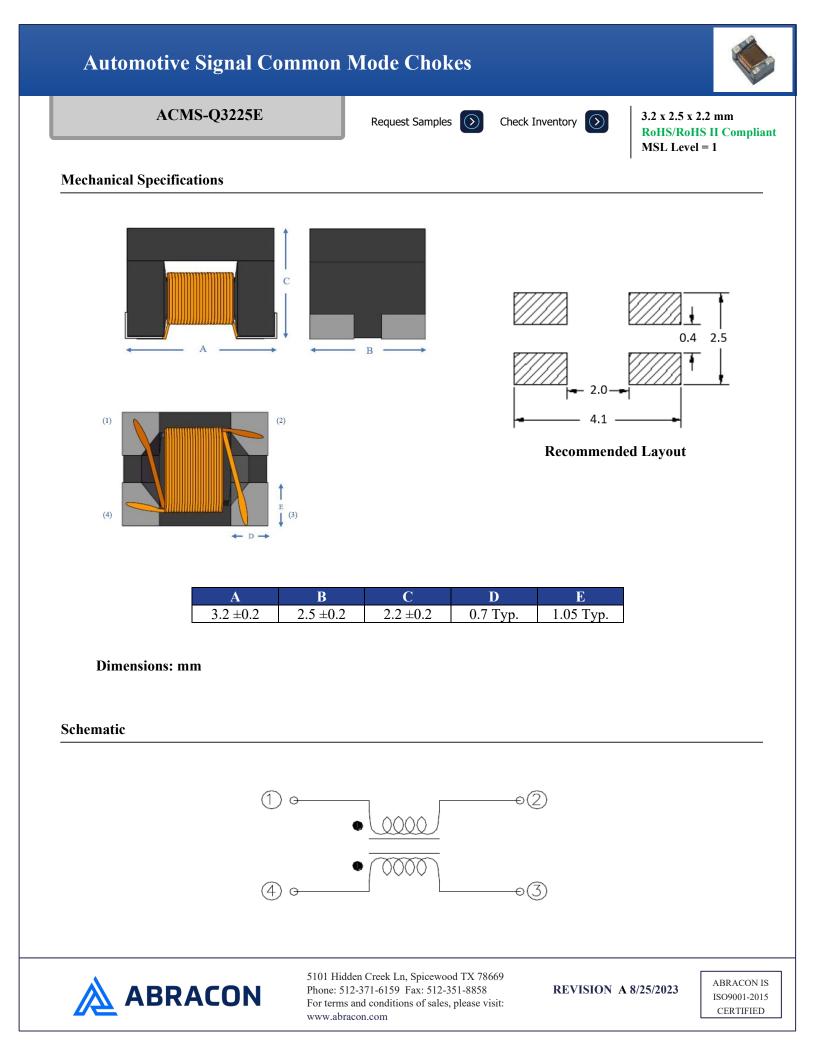
Performance Graph





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Automotive Signal Common Mode Chokes



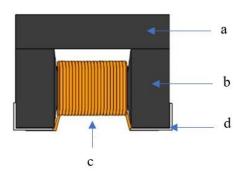
ACMS-Q3225E

Request Samples 🕥

Check Inventory

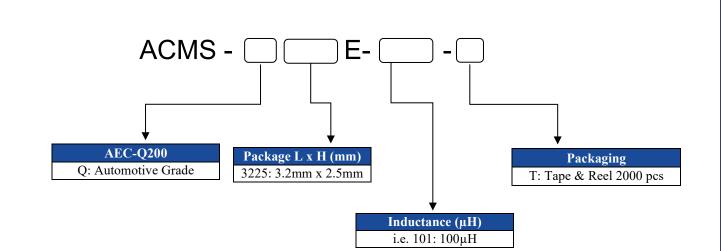
3.2 x 2.5 x 2.2 mm RoHS/RoHS II Compliant MSL Level = 1

Materials



	Description	Specification			
а	Upper Plate	Ni-Zn Ferrite			
b	Core	Ni-Zn Ferrite			
c	Wire	Enameled copper wire			
d	Electrode	Ag/Ni/Sn			

Part Identification



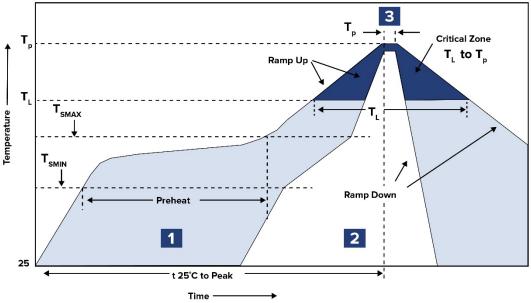


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Automotive Signal Common Mode Chokes ACMS-Q3225E Request Samples Image: Check Inventory Solution Check Inventory 3.2 x 2.5 x 2.2 mm RoHS/RoHS II Compliant MSL Level = 1 Reflow Profile Image: Check Inventory



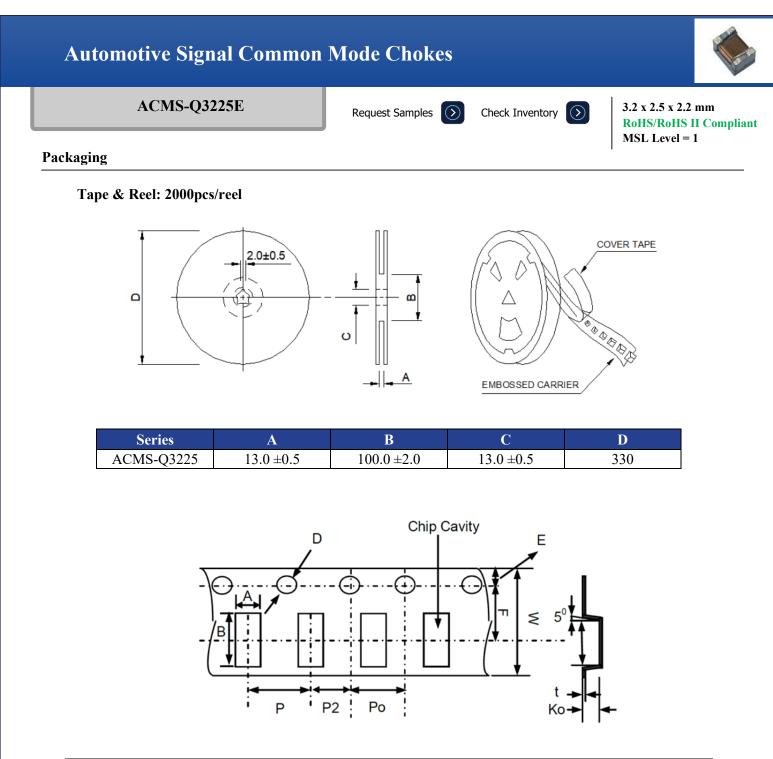
Zone	Description	Temperature	Times
1	Preheat	$\begin{array}{l} T_{SMIN} \sim T_{SMAX} \\ 150^{\circ}C \sim 200^{\circ}C \end{array}$	$60 \sim 120$ sec.
2	Reflow	T _L 220°C	$60 \sim 90$ sec.
3	Peak heat	Тр 260°С	10 sec. MAX



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W	Р	E	F	PO	P2	Bo	Ao	Ko	D	t
12.0	8.0	1.75	5.55	4.0	2.0	3.6	2.9	2.6	1.55	0.3
± 0.10	±0.10	± 0.10	± 0.10	±0.10	±0.10	± 0.10	± 0.10	±0.10	+0.10/-0	± 0.05

Dimensions: mm

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