Automotive Signal Common Mode Chokes ACMS-4523E Request Samples Image: Check Inventory Check Inventory 4.5 x 3.2 x 2.3 mm RoHS/RoHS II Compliant MSL Level = 1

Features

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

Applications

- 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%/-25%)	DCR (mΩ)	Rated Current (A)	Rated Voltage (Vdc)	Insulation Resistance (MΩ)
		Max	Max	Max	Min
ACMS-Q4523E-201	200	4500	0.11	50	10

Rated Current is based on an Irms temperature rise of 20°C Inductance Test Conditions: 0.1MHz/0.1V ACMS-Q4523E is AEC-Q200 Automotive certified 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



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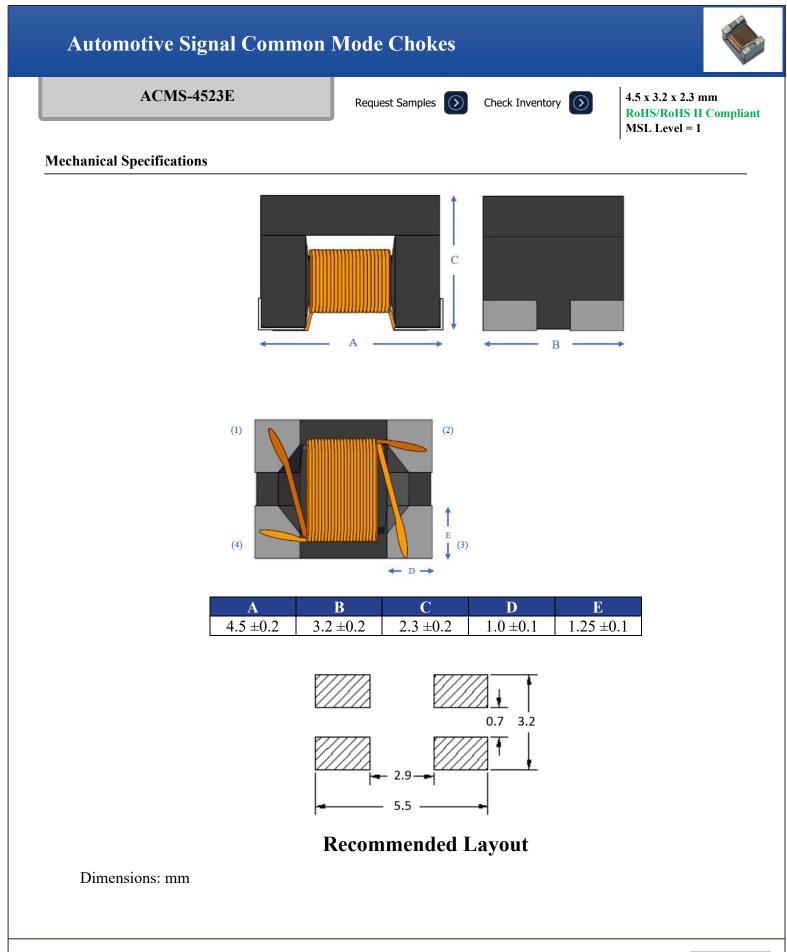
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Differential mode

1,000

100

Frequency (MHz)





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Automotive Signal Common Mode Chokes ACMS-4523E 4.5 x 3.2 x 2.3 mm Request Samples 🕥 Check Inventory **RoHS/RoHS II Compliant** MSL Level = 1 Schematic ə(2) θ 000 ()()()()(4) oə(3) **Materials Specification Description** a Upper Plate Ni-Zn Ferrite а Core Ni-Zn Ferrite b b Enameled copper wire Wire с d Electrode Ag/Ni/Sn d с **Part Identification** ACMS -E **AEC-Q200** Package L x H (mm) Packaging Q: Automotive Grade 4523: 4.5mm x 2.3mm T: Tape & Reel 2000 pcs Blank: Commercial grade Inductance (µH) i.e. 201: 200µH Typical



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Automotive Signal Common Mode Chokes



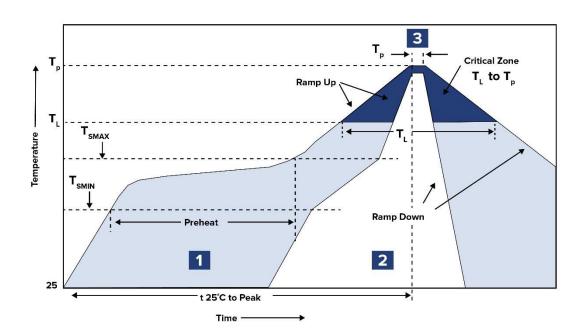
ACMS-4523E

Request Samples 🕥

Check Inventory

4.5 x 3.2 x 2.3 mm RoHS/RoHS II Compliant MSL Level = 1

Reflow Profile

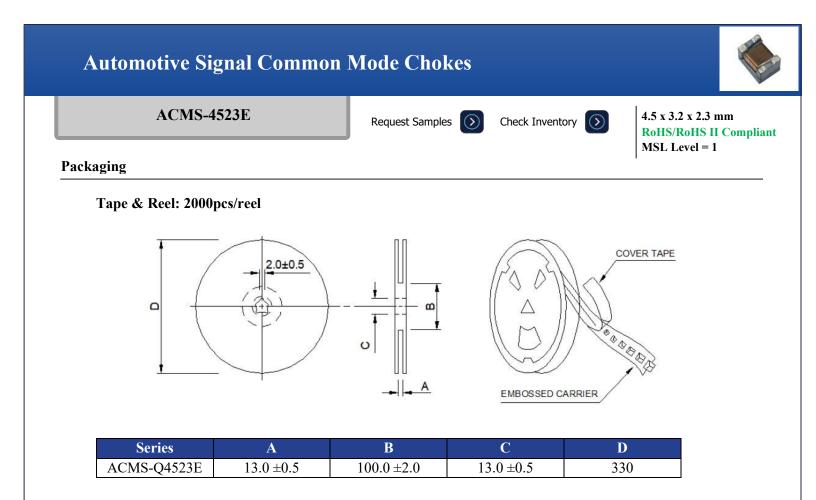


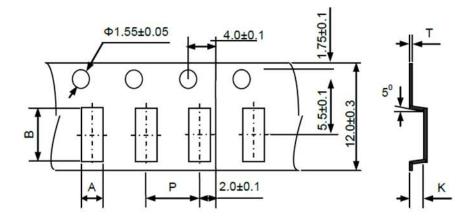
Zone	Description	Temperature	Times	
1	Preheat	$\begin{array}{l} T_{SMIN} \sim T_{SMAX} \\ 150^{\circ}C \sim 200^{\circ}C \end{array}$	$60 \sim 120$ sec.	
2	Reflow	T _L 220°C	60 ~ 90 sec.	
3	Peak heat	Tp 260°C Max	10 sec. MAX	



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Α	B	Р	K	Т
3.51	4.82	8.0	3.05	0.35
± 0.10	± 0.10	± 0.10	± 0.10	± 0.05

Dimensions: mm

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