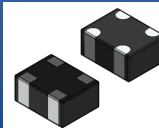


High-Speed Multilayer Common Mode Chokes



ACMS-0605U Series

Request Samples



Check Inventory



0.65 x 0.50 x 0.30mm
RoHS/RoHS II Compliant
MSL Level = 1

Features

- Miniature size: 0.65 x 0.50 x 0.30 mm
- Monolithic, compact design
- Low insertion loss over a wide frequency range
- High common mode impedance

Applications

- High-frequency differential signal lines & data transmission protocols like USB, MIPI, RS-422/485 and others
- EMI and noise reduction in telecom infrastructure, multimedia devices, consumer electronics, and IoT systems

Electrical Specifications

Part Number*	Common Mode Impedance (Ω)@100MHz	Impedance Tolerance	DCR (Ω)	Rated Current (mA)	Rated Voltage (Vdc)	Withstand Voltage (VDC)	Insulation Resistance (M Ω)
	Typ.	%	Max.	Max.	Max.	Max.	Min.
ACMS-0605U-120	12	5	2.5	50	5	12.5	100
ACMS-0605U-250	25	10	3.5	50	5	12.5	100

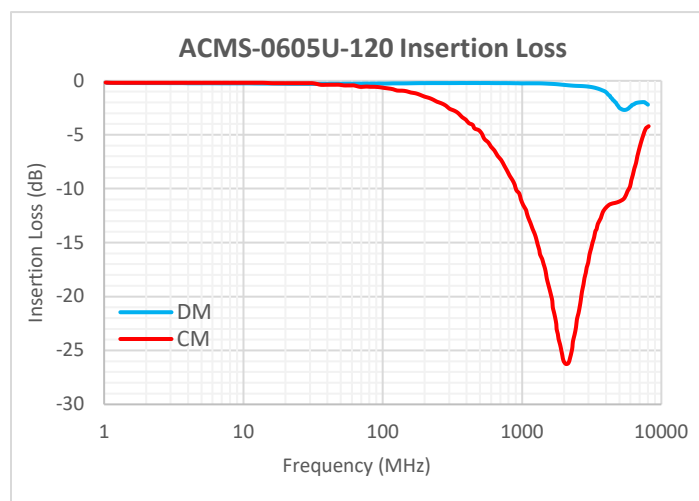
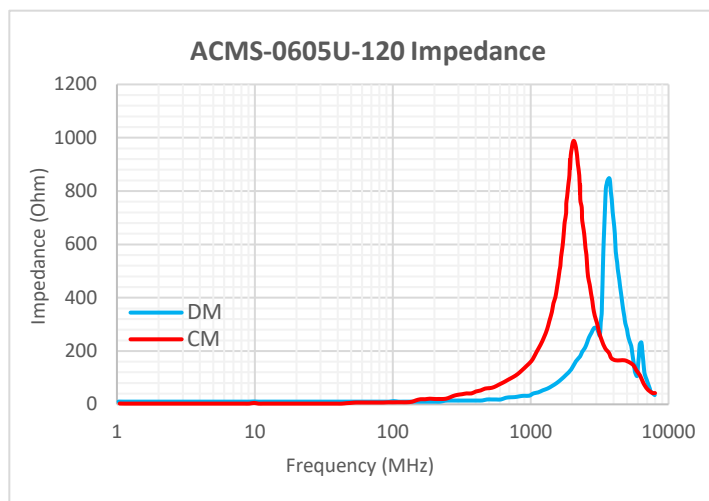
*For orderable part numbers, please select the tolerance and packaging option as described in the [Part Identification](#) section.

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

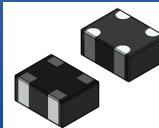
Operating temperature: -40°C to +85°C.

Storage temperture (in original packaging): -10°C to 40°C, <70% RH (Max.)

ACMS-0605U Series is RoHS Compliant and Pb free.



High-Speed Multilayer Common Mode Chokes



ACMS-0605U Series

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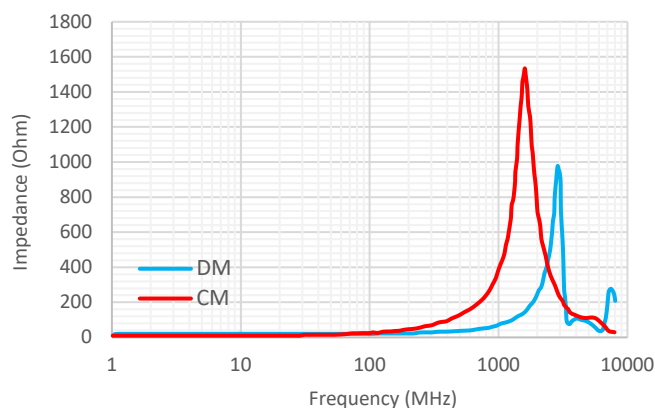
Check Inventory



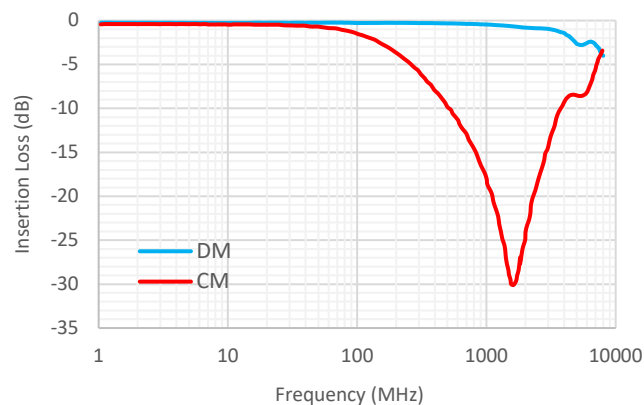
0.65 x 0.50 x 0.30mm
RoHS/RoHS II Compliant
MSL Level = 1

Electrical Specifications (Cont'd)

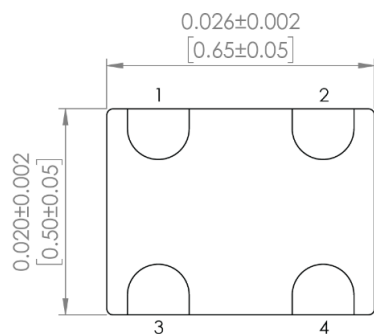
ACMS-0605U-250 Impedance



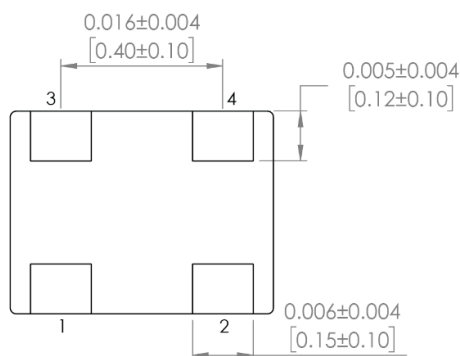
ACMS-0605U-250 Insertion Loss



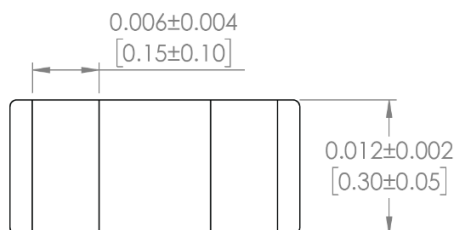
Mechanical Specifications



TOP VIEW

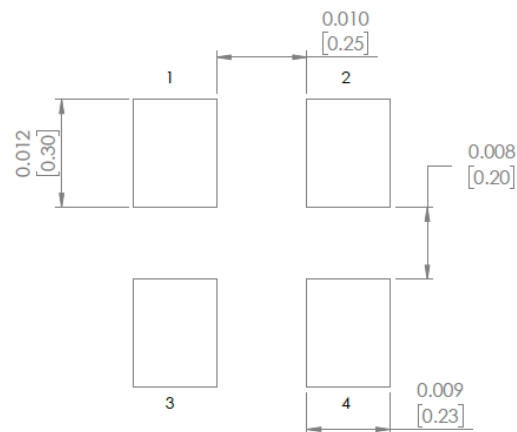


BOTTOM VIEW



FRONT VIEW

RECOMMENDED LAND PATTERN



Dimensions: Inches[mm]

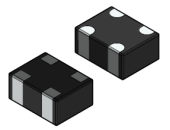


5101 Hidden Creek Ln Spicewood TX 78669
Phone: 512-371-6159 | Fax: 512-351-8858
For terms and conditions of sales, please visit:
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REVISION: IR 12-06-24

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High-Speed Multilayer Common Mode Chokes



ACMS-0605U Series

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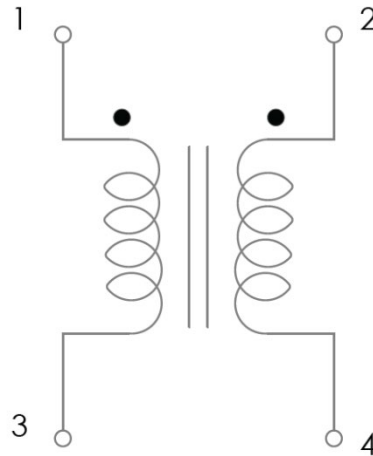


Check Inventory

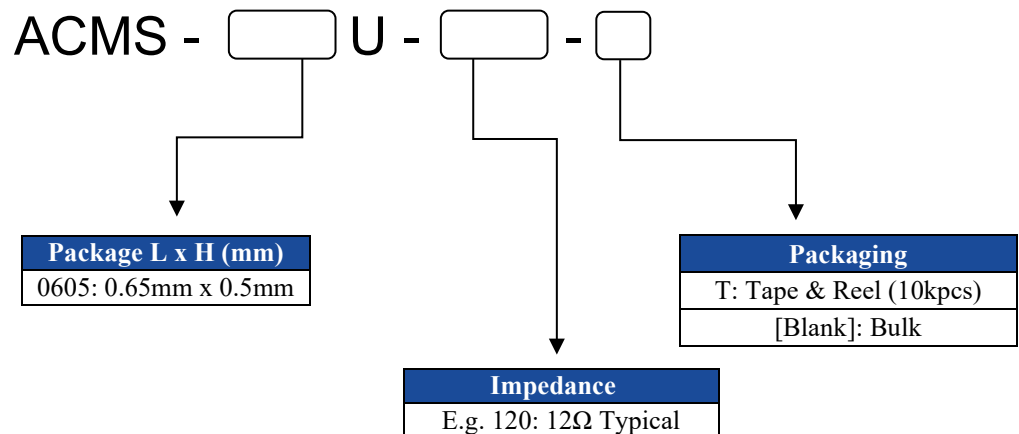


0.65 x 0.50 x 0.30mm
RoHS/RoHS II Compliant
MSL Level = 1

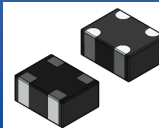
Schematic



Part Identification



High-Speed Multilayer Common Mode Chokes



ACMS-0605U Series

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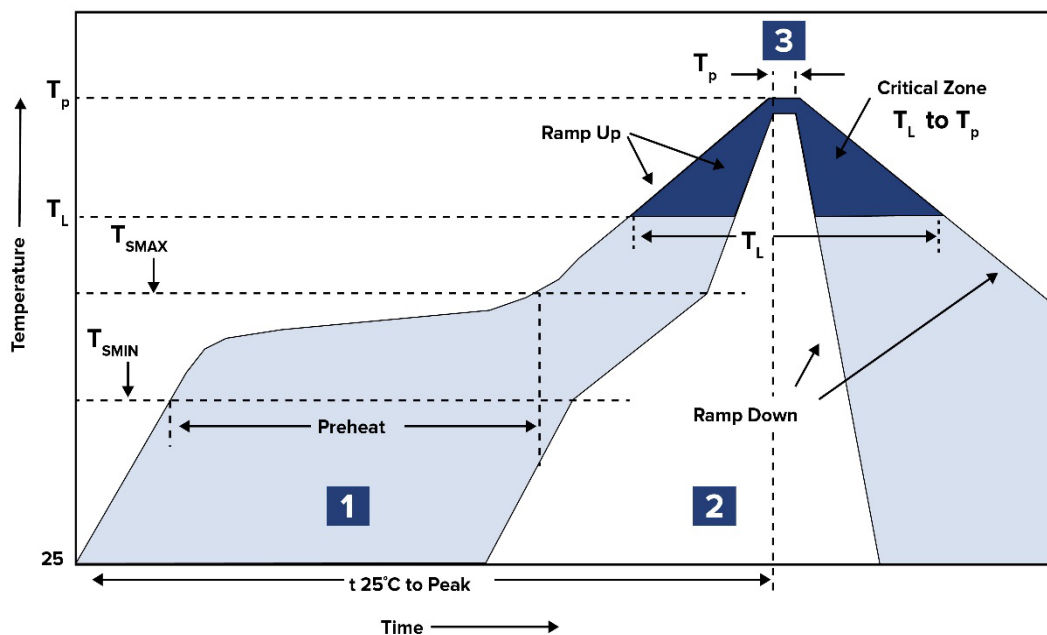


Check Inventory



0.65 x 0.50 x 0.30mm
RoHS/RoHS II Compliant
MSL Level = 1

Reflow Profile



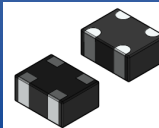
Zone	Description	Temperature	Times
1	Preheat	$T_{SMIN} \sim T_{SMAX}$ 150°C ~ 200°C	60 ~ 120 sec.
2	Reflow	T_L 217°C	60 ~ 90 sec.
3	Peak heat	T_p 260°C Max.	5 sec. Max

Ref. Solder paste: Pb-free Sn/3.0Ag/0.5Cu

Ramp up rate: 3°C/s Max.

Ramp down rate: 6°C/s Max.

High-Speed Multilayer Common Mode Chokes



ACMS-0605U Series

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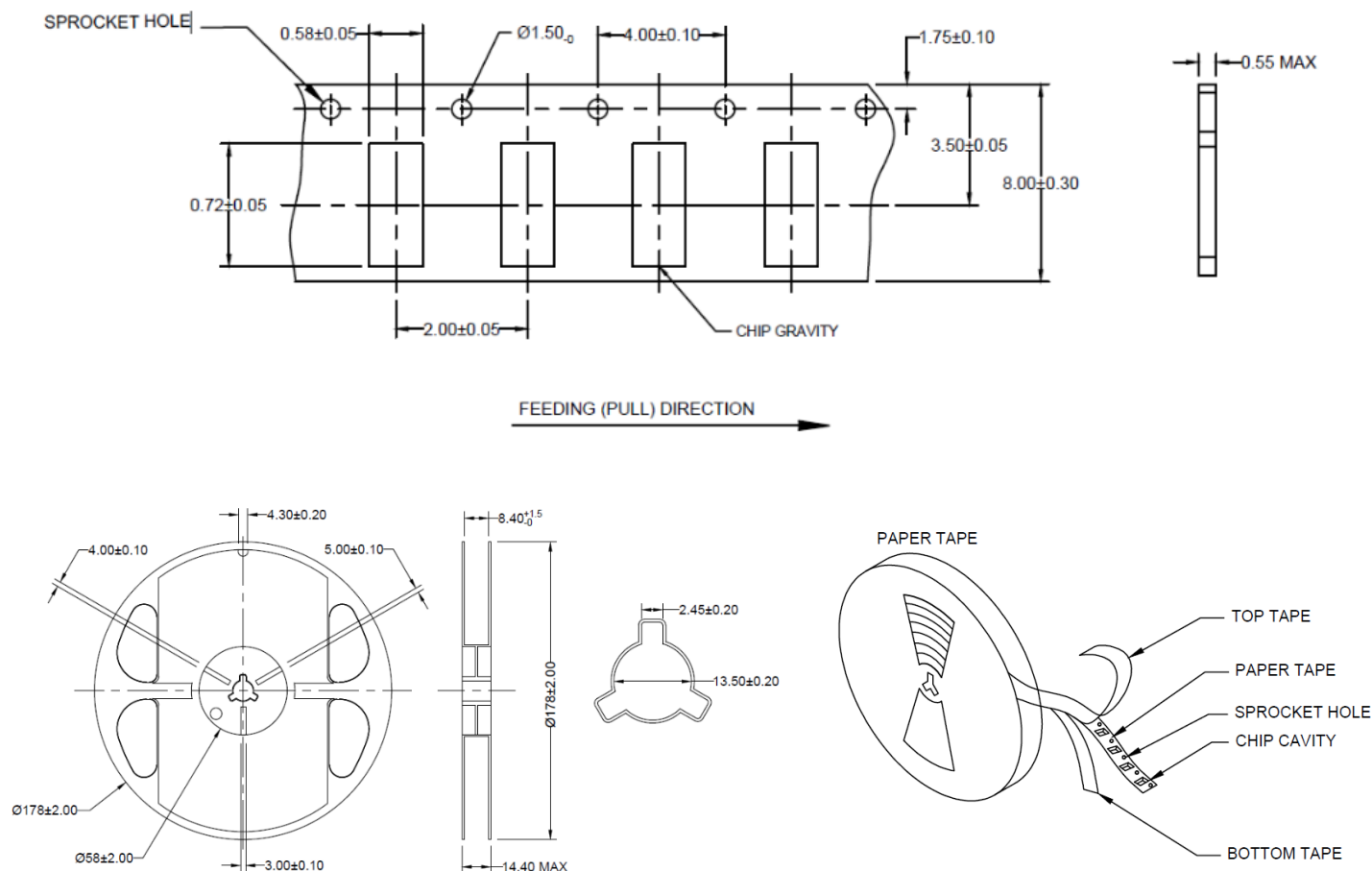
Check Inventory



0.65 x 0.50 x 0.30mm
RoHS/RoHS II Compliant
MSL Level = 1

Packing

Tape & Reel: 10,000 pcs/reel



Dimensions: mm

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