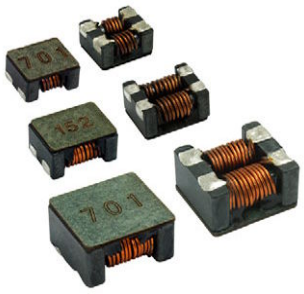
High Current Common Mode Choke



FEATURES

- Surface mountable (multiple case sizes), high current common mode choke for DC power line
- Base terminals are treated, allows for easy mounting on PCB
- Paired wire coil for high stability
- Optimized for transmission of high quality signals
- Operating temperature: -40 °C to +85 °C
- Rated Current: Based on temp. rise; ΔT: 40 °C, typical
- Material categorization: for definitions of compliance please see www.vishay.com/doc?99912

Pb-free RoHS COMPLIANT

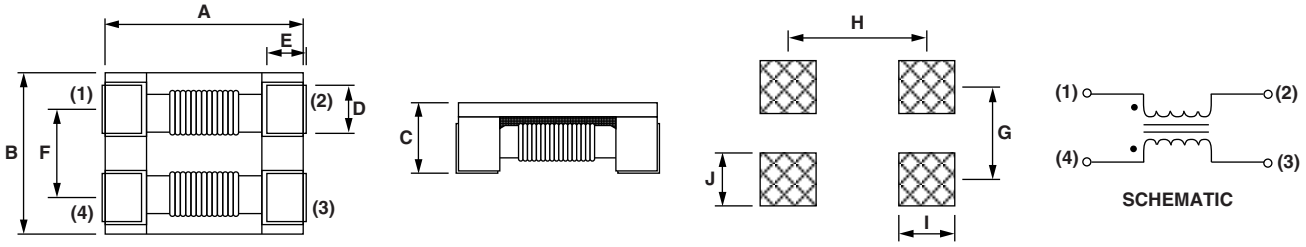
APPLICATIONS

- LAN's, telephones, personal computers
- CD-ROM drives, electronic games
- Other electronic devices

STANDARD ELECTRICAL SPECIFICATIONS

PART NUMBER	COMMON MODE IMPEDANCE AT 100 MHz (Ω)	RATED VOLTAGE MAX. (V_{DC})	RATED CURRENT MAX. (mA)	DC RESISTANCE MAX. (Ω)	INSULATION RESISTANCE MIN. (MΩ)
ICM2824ER301V	300	80	5000	0.01	10
ICM2824ER701V	700	80	4000	0.015	10
ICM3528ER701V	700	80	5000	0.01	10
ICM3528ER152V	1500	80	4500	0.015	10
ICM4743ER701V	700	80	8000	0.006	10
ICM4743ER102V	1000	80	6000	0.014	10

DIMENSIONS in inches [millimeters]



PART NUMBER	A	B	C	D	E	F	G	H	I	J
ICM-2824	0.276 ± 0.012 [7.0 ± 0.3]	0.236 ± 0.008 [6.0 ± 0.2]	0.157 [4.0] max.	0.063 ± 0.012 [1.6 ± 0.3]	0.071 ± 0.012 [1.8 ± 0.3]	0.118 [3.0] typ.	0.118 [3.0] ref.	0.256 [6.5] ref.	0.098 [2.5] ref.	0.063 [1.6] ref.
ICM-3528	0.354 ± 0.020 [9.0 ± 0.5]	0.276 ± 0.012 [7.0 ± 0.3]	0.197 [5.0] max.	0.060 ± 0.008 [1.5 ± 0.2]	0.060 ± 0.008 [1.5 ± 0.2]	0.138 [3.5] typ.	0.138 [3.5] ref.	0.335 [8.5] ref.	0.098 [2.5] ref.	0.071 [1.8] ref.
ICM-4743	0.472 ± 0.20 [12.0 ± 0.5]	0.433 ± 0.012 [11.0 ± 0.3]	0.248 [6.3]max.	0.106 ± 0.008 [2.7 ± 0.2]	0.091 ± 0.008 [2.3 ± 0.2]	0.205 [5.2] typ.	0.205 [5.2] ref.	0.374 [9.5] ref.	0.177 [4.5] ref.	0.106 [2.7] ref.

DESCRIPTION

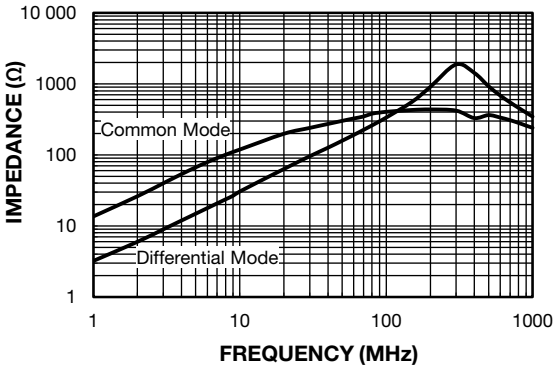
ICM-3528	700	25 %	ER	e3
MODEL	IMPEDANCE VALUE	TOLERANCE	PACKAGE CODE	JEDEC® LEAD (Pb)-FREE STANDARD

GLOBAL PART NUMBER

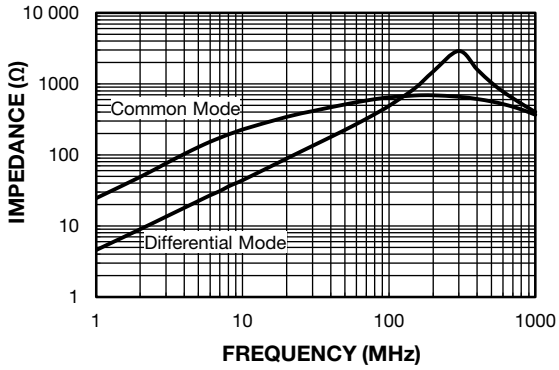
I	C	M	3	5	2	8	E	R	7	0	1	V
MODEL			SIZE				PACKAGE CODE		IMPEDANCE			TOL.

PERFORMANCE GRAPHS: IMPEDANCE VS. FREQUENCY CHARACTERISTICS

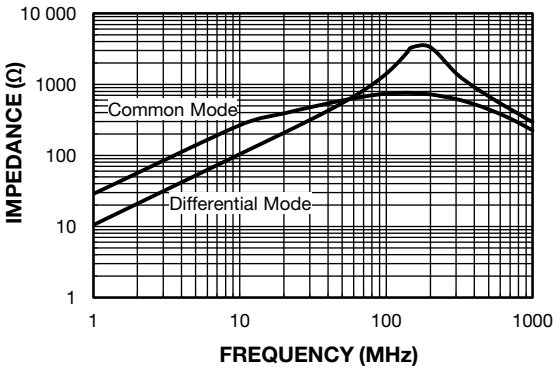
ICM-2824 300 Ω



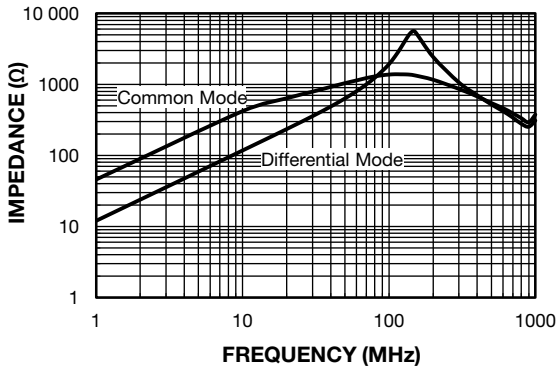
ICM-2824 700 Ω



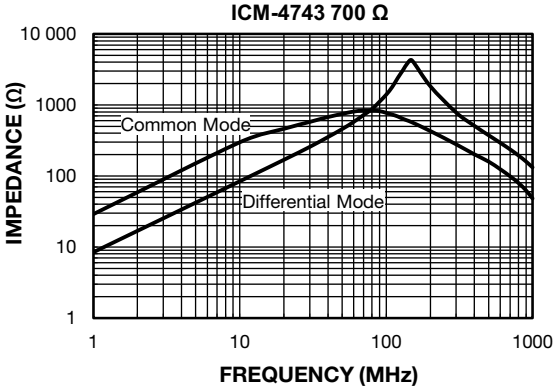
ICM-3528 700 Ω



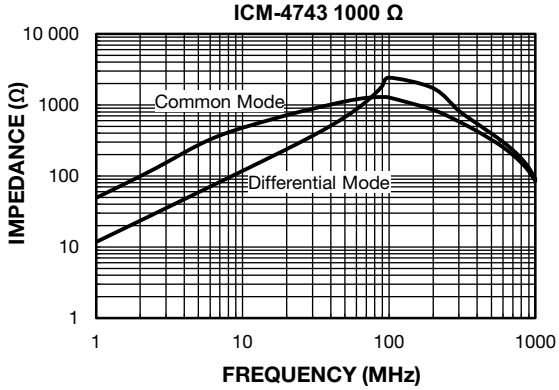
ICM-3528 1500 Ω



ICM-4743 700 Ω



ICM-4743 1000 Ω



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