

COMMON MODE CHOKES

SDRH4829D SERIES

FEATURES:

- Only 2.9 mm high and 4.8 mm square
- Ideal for use in both power line and signal line applications
- Common- and differential-mode filtering in a single device
- Winding to winding isolation (hipot) up to 2500 VDC
- 1500 Vdc (1000 Vrms), one minute isolation (hi-pot) between windings
- Can be used as coupled inductors for SEPIC applications
- UL Certified per File E219588

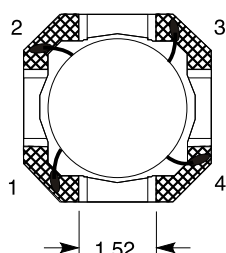
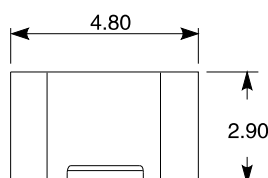
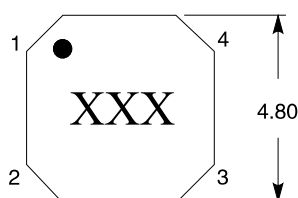


ELECTRICAL CHARACTERISTICS:

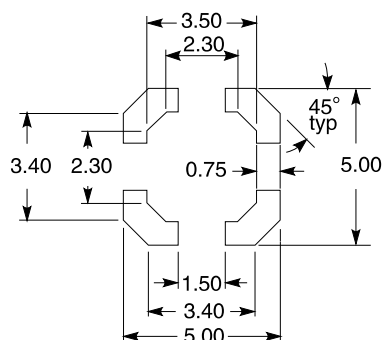
Partnumber	Common mode impedance max (k Ω)	Cutoff frequency (MHZ)	Inductance (μ H)		DCR max (Ohms)	Isolation (Vrms)	Irms (A)
			min	nom			
SDRH4829D-4R7Y	7.85@66 MHz	410	3.76	4.7	0.322	1000	1.90
SDRH4829D-6R8Y	9.20@56 MHz	470	5.44	6.8	0.395	1000	1.55
SDRH4829D-100Y	11.69@40 MHz	340	8.00	10	0.490	1000	1.30
SDRH4829D-330Y	25.81@19 MHz	240	26.4	33	0.895	1000	0.67
SDRH4829D-151Y	102.7@9.6 MHz	130	120	150	3.82	1000	0.31
SDRH4829D-221Y	174.7@7.5 MHz	83	176	220	5.25	1000	0.24

1. Frequency at which the differential mode attenuation equals -3dB
2. Inductance shown for each winding, measured at 100 kHz, 0.1 Vrms, 0 Adc on an Agilent/HP 4284A LCR meter or equivalent
3. DCR is for each winding.
4. 1000 Vrms, one minute isolation (hipot) between windings.
5. Current that causes a 40 °C temperature rise from 25 °C ambient. This information is for reference only and does not represent absolute maximum ratings
6. Electrical specifications at 25 °C
7. Ambient temperature -40 °C to +85 °C with (40 °C rise) I rms current. Maximum part temperature +125 °C (ambient + temp rise).
8. Storage temperature Component: -40 °C to +125 °C .
9. Tape and reel packaging: -40 °C to +80 °C

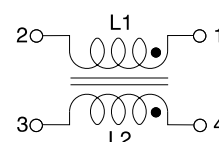
PHYSICAL CHARACTERISTICS & WINDING:



Recommended Land Pattern

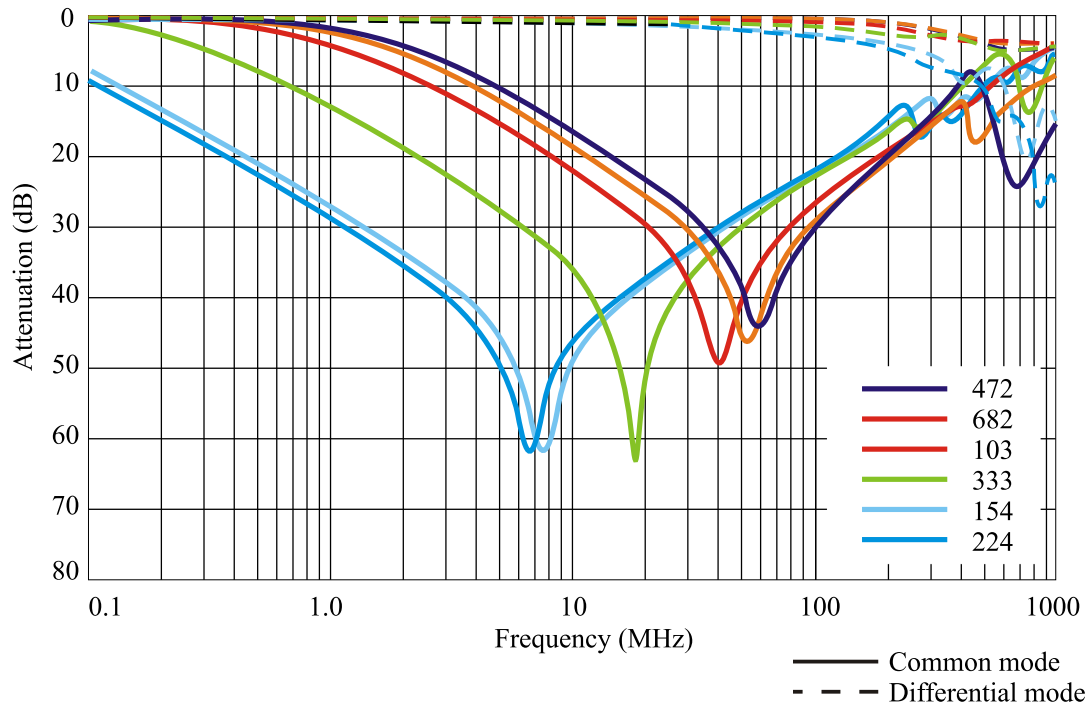


Dimensions are in mm



PERFORMANCE CURVE:

Typical Attenuation (Ref: 50 Ohms)



Typical Impedance vs Frequency

