COUPLED INDUCTORS,COMMON MODE CHOKES
SDRH1514D SERIES

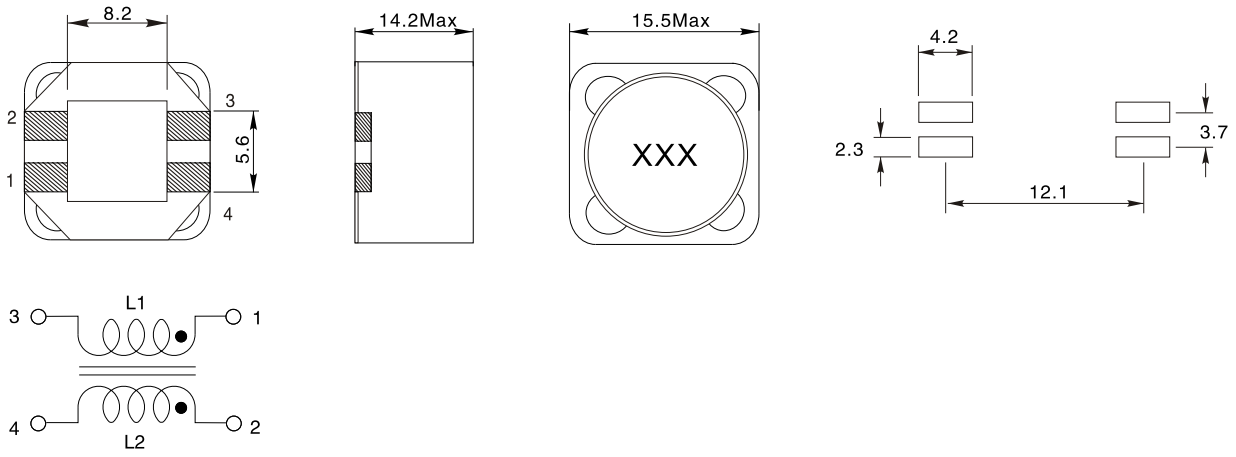
FEATURES:

- Ideal for use in both power line and signal line applications
- Common– and differential–mode filtering in a single device
- Up to 100 MHz differential mode cutoff frequency
- Can be used as coupled inductors for SEPIC applications
- RoHS compliant

ELECTRICAL CHARACTERISTICS:

Partnumber	Common mode impedance Max (KΩ)	Cutoff frequency (MHz)	Inductance (μH)		DCR max (Ω)	Isolation (Vrms)	Irms (A)
			Min	Nom			
SDRH1514D–2R5M	2.96 @ 35 MHz	100	2.00	2.5	0.012	500	6.0
SDRH1514D–4R7M	4.02 @ 23 MHz	18.0	3.76	4.7	0.014	500	5.4
SDRH1514D–100M	6.54 @ 14 MHz	17.0	8.00	10	0.018	500	4.8
SDRH1514D–120M	7.83 @ 14 MHz	26.0	9.60	12	0.022	500	4.7
SDRH1514D–150M	11.7 @ 11 MHz	9.3	12.00	15	0.028	500	4.1
SDRH1514D–220M	17.1 @ 8.10 MHz	14.0	17.60	22	0.036	500	3.6
SDRH1514D–270M	17.9 @ 7.20 MHz	10.0	21.60	27	0.039	500	3.5
SDRH1514D–330M	22.6 @ 7.10 MHz	21.0	26.40	33	0.052	500	3.0
SDRH1514D–470M	47.6 @ 6.40 MHz	5.3	37.60	47	0.075	500	2.6
SDRH1514D–680M	37.8 @ 4.30 MHz	8.8	54.40	68	0.090	500	2.2
SDRH1514D–101K	59.8 @ 3.70 MHz	11.0	90.00	100	0.126	500	2.0
SDRH1514D–221K	85.6 @ 2.50 MHz	10.0	198	220	0.287	500	1.3
SDRH1514D–331K	58 @ 2.00 MHz	7.3	297	330	0.367	500	1.2
SDRH1514D–471K	101.9 @ 1.60 MHz	5.3	423	470	0.550	500	0.92
SDRH1514D–102K	157.9 @ 1.10 MHz	4.9	900	1000	1.25	500	0.66

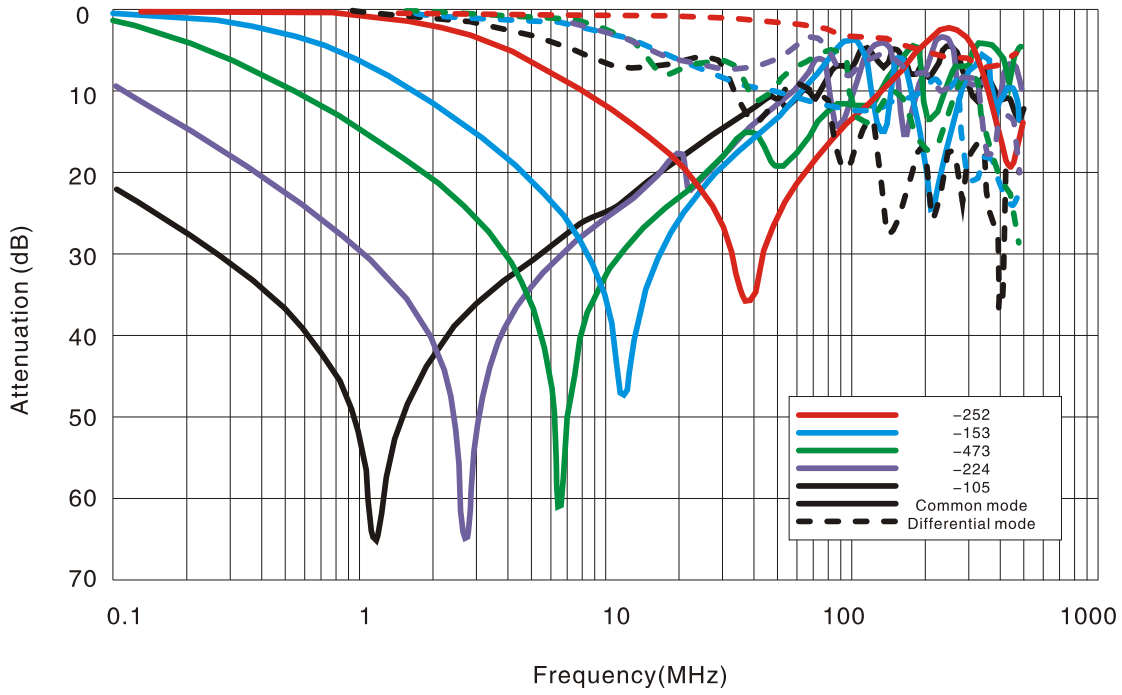
PHYSICAL CHARACTERISTICS & WINDING:



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. Winding–to–winding isolation 500 Vrms, one minute
5. Current that causes a 40 ℃ temperature rise from 25 ℃ ambient. This information is for reference only and does not represent absolute maximum ratings
6. Electrical specifications at 25 ℃
7. Ambient temperature –40 ℃ to +85 ℃ with Irms current. Maximum part temperature +125 ℃ (ambient + temp rise).
8. Storage temperature Component: –40 ℃ to +125 ℃ .
9. Tape and reel packaging: –40 ℃ to +80 ℃

PERFORMANCE CURVE:

TYPICAL ATTENUATION (REF: 50 OHMS)



TYPICAL IMPEDANCE VS FREQUENCY