COUPLED INDUCTORS,COMMON MODE CHOKES
SDRH1260D SERIES

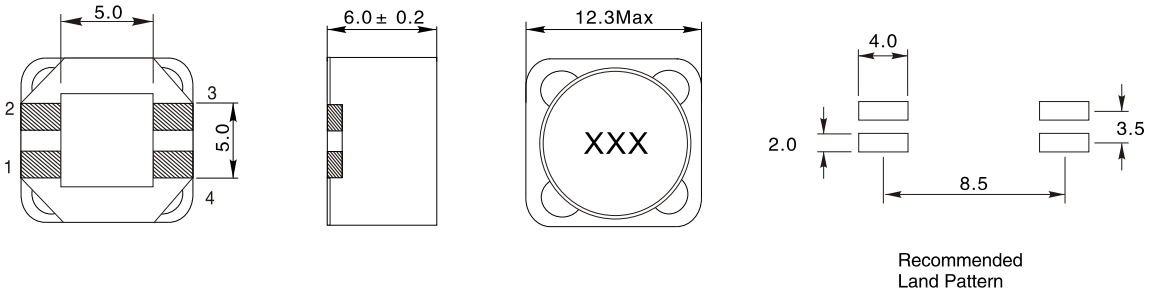
FEATURES:

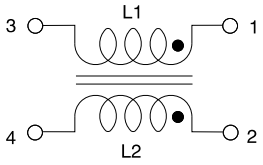
- Only 6.0 mm high and 12.3 mm square
- AEC–Q200 Grade 1 (–40℃ to +125℃)
- Ideal for use in both power line and signal line applications
- Common– and differential–mode filtering in a single device
- Up to 180 MHz differential mode cutoff frequency
- Can be used as coupled inductors for SEPIC applications
- RoHS compliant

ELECTRICAL CHARACTERISTICS:

Partnumber	Common mode impedance Max (KΩ)	Cutoff frequency (MHz)	Inductance (μH)		DCR max (Ω)	Isolation (Vrms)	Irms (A)
			Min	Nom			
SDRH1260D–3R3Y	5.29@53 MHz	170	2.64	3.3	0.020	500	3.60
SDRH1260D–4R7Y	6.27@43 MHz	140	3.76	4.7	0.036	500	3.16
SDRH1260D–5R6Y	8.38@36 MHz	91	4.48	5.6	0.040	500	3.00
SDRH1260D–6R8Y	9.78@33 MHz	120	5.44	6.8	0.048	500	2.75
SDRH1260D–8R2	9.72@30 MHZ	110	6.56	8.2	0.052	500	2.63
SDRH1260D–100Y	12.31@26 MHZ	110	8.00	10	0.060	500	2.45
SDRH1260D–120Y	14.67@23 MHZ	81	9.60	12	0.074	500	2.21
SDRH1260D–150Y	16.17@21 MHZ	77	12.0	15	0.085	500	2.06
SDRH1260D–180Y	16.96@18 MHZ	64	14.4	18	0.097	500	1.93
SDRH1260D–220Y	20.73@17 MHZ	79	17.6	22	0.116	500	1.76
SDRH1260D–270Y	26.07@15 MHZ	58	21.6	27	0.124	500	1.70
SDRH1260D–330	26.15@12 MHZ	58	26.4	33	0.134	500	1.64
SDRH1260D–390Y	30.30@12 MHZ	36	31.2	39	0.142	500	1.59
SDRH1260D–470Y	29.81@11 MHZ	53	37.6	47	0.174	500	1.44
SDRH1260D–560Y	51.88@9.6 MHZ	33	44.8	56	0.198	500	1.35
SDRH1260D–680Y	55.74@8.6 MHZ	25	54.4	68	0.216	500	1.29
SDRH1260D–820Y	70.75@8.2 MHZ	26	65.6	82	0.274	500	1.15
SDRH1260D–101Y	80.40@7.3 MHZ	17	80.0	100	0.322	500	1.06
SDRH1260D–121Y	87.96@6.2 MHZ	27	108	120	0.418	500	0.93
SDRH1260D–151Y	97.64@5.4 MHZ	45	135	150	0.476	500	0.87
SDRH1260D–181Y	124.3@5.2 MHZ	23	162	180	0.536	500	0.82
SDRH1260D–221Y	143.4@4.3 MHZ	25	198	220	0.691	500	0.72
SDRH1260D–271Y	134.8@4.3 MHZ	11	243	270	0.806	500	0.67
SDRH1260D–331Y	132.1@3.6 MHZ	35	297	330	1.09	500	0.57
SDRH1260D–391Y	131.0@3.4 MHZ	14	351	390	1.20	500	0.55
SDRH1260D–471Y	193.5@3.3 MHZ	21	423	470	1.59	500	0.48
SDRH1260D–561Y	175.2@2.7 MHZ	15	504	560	1.81	500	0.45
SDRH1260D–681Y	158.6@2.7 MHZ	11	612	680	2.06	500	0.42
SDRH1260D–821Y	225.9@2.2 MHZ	9.2	738	820	2.65	500	0.37
SDRH1260D–102Y	197.0@2.3 MHZ	15	900	1000	3.06	500	0.34

PHYSICAL CHARACTERISTICS & WINDING:

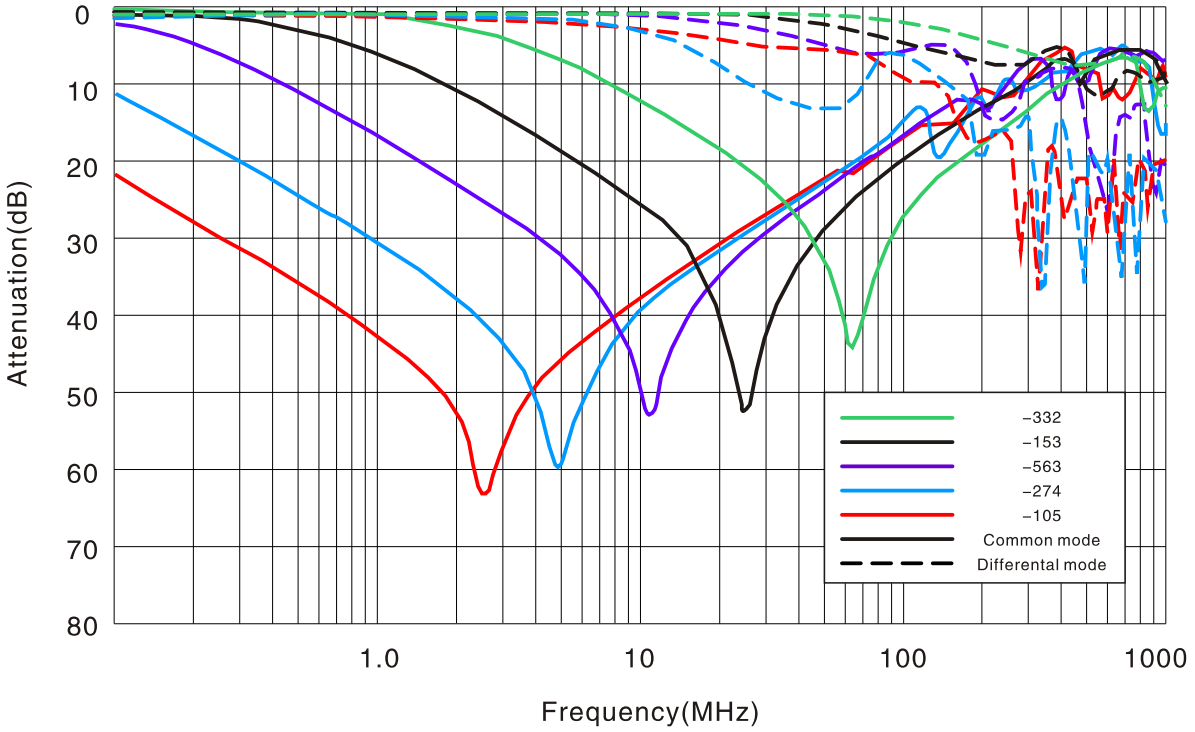




1. Frequency at which the differential mode attenuation equals –3dB
2. Inductance shown for each winding, measured at 100 kHz, 0.1 Vrms, 0 Adc on an Agilent/HP 4284A LCR meter or equivalent
3. DCR is for each winding.
4. Winding–to–winding isolation 500 Vrms, one minute
5. Current that causes a 40 ℃ 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 +125 ℃ with Irms current. Maximum part temperature +165 ℃ (ambient + temp rise).
8. Storage temperature Component: –40 ℃ to +165 ℃ .
9. Tape and reel packaging: –40 ℃ to +80 ℃

PERFORMANCE CURVE:

Typical Attenuation(Ref:50 Ohms)



Typical Impedance vs Frequency