

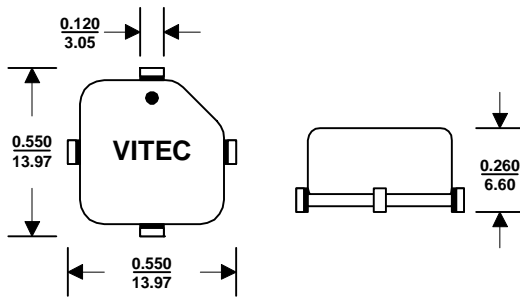
TYPE VD

SURFACE MOUNT INDUCTORS

FEATURES

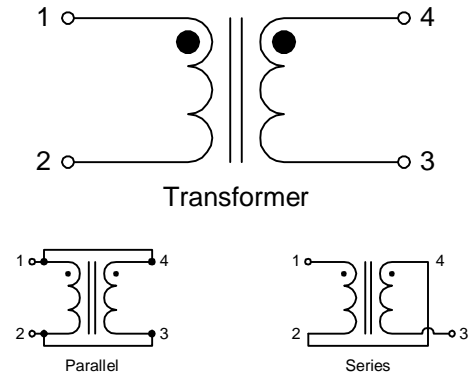
- Low profile surface mount design.
- Ideal for IR and vapor phase reflow soldering.
- Designed for minimal EMI radiation in DC to DC converter applications.
- Materials meet flammability requirement of UL94V-0.
- Operating temperature range: -40°C to 130°C.
- RoHS compliant version available

DRAWING



Dimensions Inches/mm +/- 0.01" Unless noted

SCHEMATICS



ELECTRICAL CHARACTERISTICS @ +25°C

Part Number		Parallel Connected			Series Connected			Energy*
		Inductance	Rated Current	DCR	Inductance	Rated Current	DCR	
Classic	RoHS	uH +/- 15%	Amp NOM	Ohm MAX	uH +/- 15%	Amp NOM	Ohm MAX	uJ NOM
VD5570	VDR5570	10	4.000	0.030	40	2.000	0.120	65
VD5571	VDR5571	15	3.000	0.045	60	1.500	0.180	65
VD5572	VDR5572	20	2.100	0.050	80	1.050	0.215	45
VD5573	VDR5573	33	1.650	0.075	132	0.830	0.300	45
VD5574	VDR5574	50	1.350	0.105	200	0.675	0.420	45
VD5575	VDR5575	100	0.950	0.175	400	0.475	0.700	45
VD5576	VDR5576	150	0.720	0.330	600	0.360	1.320	45
VD5577	VDR5577	250	0.600	0.600	1000	0.300	2.400	45
VD5578	VDR5578	300	0.550	0.600	1200	0.275	2.300	45

Add an "R" to the part number after "VD" for the RoHS compliant version (i.e. VDR5570 is the RoHS compliant version of VD5570).

Notes: * Based on $1/2LI^2$ where I is the current that reduces the inductance by approximately 50%.