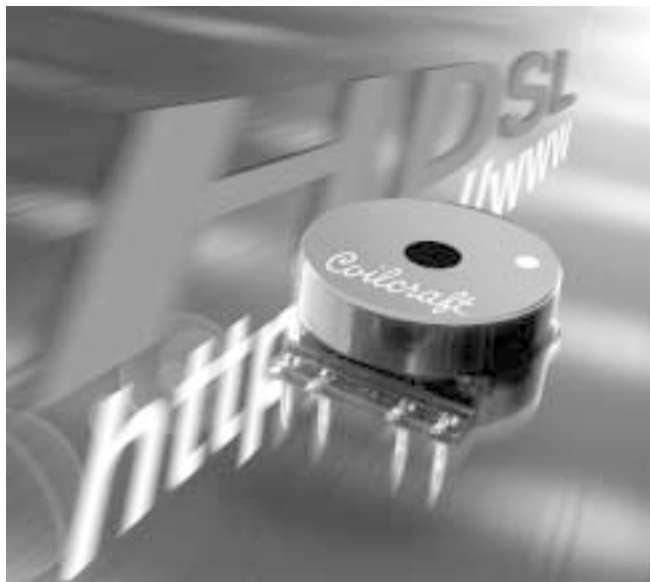


NEW!

HDSL Transformers



These HDSL transformers have been designed to work with a variety of specific transceiver chips to provide 2B1Q coded data transmission.

They're engineered for low leakage inductance and return loss as well as high line isolation. Longitudinal balance and THD are optimized for the best overall performance at a given transmission speed.

For free evaluation samples or to discuss custom designs, please contact Coilcraft.

SPECIFICATIONS

Part number	Chip set	Data rate (kb/s)	Turns ratio chip:line	Primary inductance (mH) $\pm 6\%$	Leakage inductance (μ H) max	DCR (Ω) max	
						Chip side	Line side
HD6788	Brooktree BT8952	784	2CT:1:1	3.0	20	4.4 (2-4)	2.2 (6-7, 8-9)
HD6789	Brooktree BT8952	1168	2CT:1:1	2.0	20	4.4 (2-4)	2.2 (6-7, 8-9)
HD6790	Brooktree BT8921	784	1CT:1:1	3.0	20	2.2 (2-4)	2.2 (6-7, 8-9)
HD6791	Brooktree BT8921	1168	1CT:1:1	2.0	20	2.2 (2-4)	2.2 (6-7, 8-9)
HD6792	Level One SK70704	784	1CT:1.8 CT	2.75	45	3.2 (2-4)	3.0 (6-8, 8-10)
HD6793	Level One SK70704	1168	1CT:1.8 CTS	2.06	40	2.0 (2-4)	2.0 (6-7, 9-10)

Part number	DC bias capacity (mA)	Dielectric strength (V) min	Return loss (dB) min	Longitudinal balance (dB) typ		THD (dB) typ
HD6788	160	1500	18 @ 40 - 200 kHz	69 @ 30 kHz	63 @ 196 kHz	-74 @ 100 kHz
HD6789	160	1500	16.5 @ 40 - 320 kHz	77 @ 30 kHz	63 @ 292 kHz	-74 @ 100 kHz
HD6790	80	1500	18 @ 40 - 200 kHz	68 @ 30 kHz	56 @ 196 kHz	-74 @ 100 kHz
HD6791	80	1500	16.5 @ 40 - 320 kHz	75 @ 30 kHz	62 @ 292 kHz	-74 @ 100 kHz
HD6792	80	1500	18 @ 40 - 200 kHz	60 @ 30 kHz	48 @ 196 kHz	-75 @ 5 kHz
HD6793	80	1500	16.5 @ 40 - 320 kHz	60 @ 30 kHz	48 @ 292 kHz	-74 @ 5 kHz

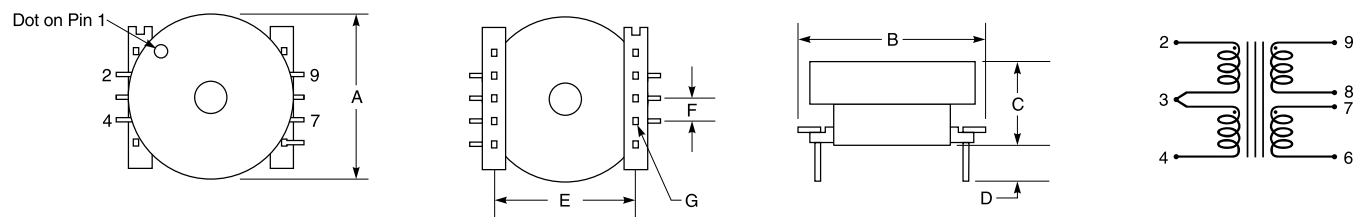
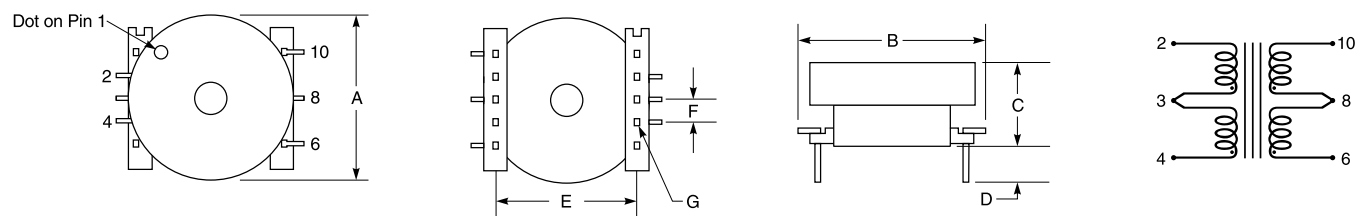
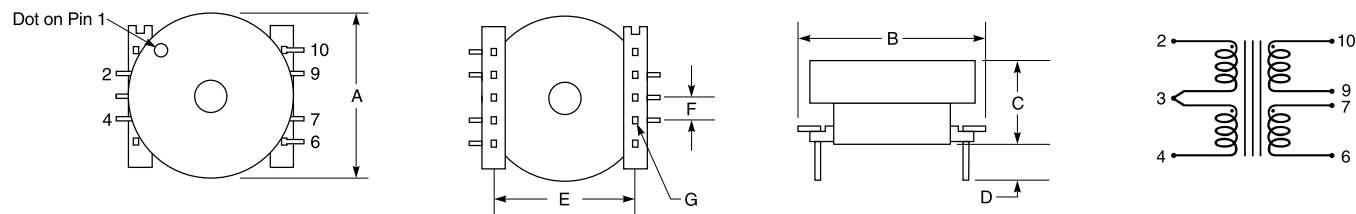
1. All electrical specifications referenced to line side.
2. Operating temperature range -40° C to +85° C.
3. Electrical specifications at 25° C.

Specifications subject to change without notice. Document 201-1 Revised 9/6/00

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NEW!

HDSL Transformers

HD6788, HD6789, HD6790, HD6791**HD6792****HD6793**

A max	B max	C max	D min	E	F typ	G typ
.950	1.05	.46	.12	.800	.150	.045 x .025
24,13	26,7	11,7	3,0	20,32	3,81	1,14 x 0,64

Coilcraft

Specifications subject to change without notice. Document 201-2 Revised 5/21/99

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