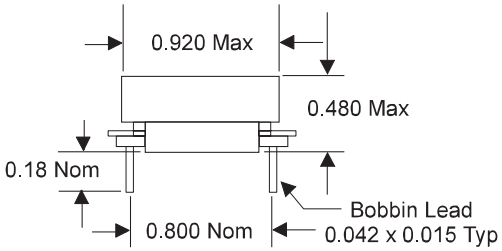
HDSL MAGNETICS

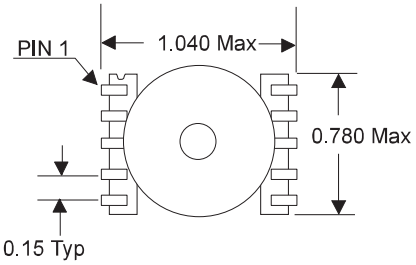
- **EXCELLENT THD PERFORMANCE**
- **MAXIMUM HEIGHT .500" (12.7 MM)**
- **MATCHED TO BROOKTREE'S IC'S OR LEVEL ONE'S IC'S**
- **DESIGNS EXCEED REQUIREMENTS FOR ANSI AND ETSI STANDARDS**

PART NUMBER	TURNS RATIO CHIP-LINE (±2%)	INDUCTANCE LINE SIDE (mH)	DC CURRENT CAPABILITY (mA)	LEAKAGE INDUCTANCE	ISOLATION VOLTAGE	DCR LINE SIDE (MAX)	DCR CHIP SIDE (MAX)
XF2311-1HD	2CT:1:1	2.0mH ±6%	160	16uH	1500 Vrms	2.2 Ohms (6-7)(8-9)	4.4 Ohms (2-4)
XF2311-2HD	2CT:1:1	3.0mH ±6%	160	16uH	1500 Vrms	2.2 Ohms (6-7)(8-9)	4.4 Ohms (2-4)
XF2311-3HD	1CT:1:1	3.0mH ±6%	70	8uH	1500 Vrms	2.2Ohms(6-7)(8-9)	2.2 Ohms (2-4)
XF2311-4HD	1CT:1:1	2.0mH ±6%	70	8uH	1500 Vrms	2.2Ohms(6-7)(8-9)	2.2 Ohms (2-4)
XF2311-5HD	1CT:1.8CT	2.75mH ±6%	75	28uH Typ	2000 Vrms	3.0Ohms(6-8)(8-10)	3.2 Ohms (2-4)
XF2311-6HD	1CT:1.8CT	2.06mH ±6%	75	--	2500 Vrms	2.0Ohms(6-7)(9-10)	2.0 Ohms (2-4)

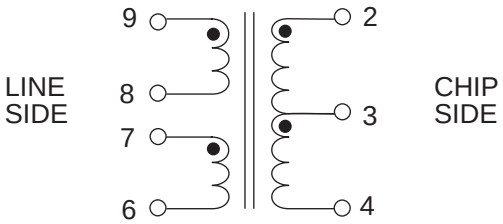
PART NUMBER	RETURN LOSS			LONGITUDINAL BALANCE (135 Ohms)	THD (Typ)	BROOKTREE BT8952 APPLICATION	LEVEL ONE SK70704 APPLICATION
	4KHz, 2MHz	40-200KHz	40-320KHz				
XF2311-1HD	4dB Min	--	16.5dB min	55dB Typ @ 292KHz	-75dB (200 KHz, 6vp-p, 135 ohms)	BT8952 1168 Kbps (2pair)	--
XF2311-2HD	4dB Min	20dB Min	--	55dB Typ @ 196KHz	-75dB (200 KHz, 6vp-p, 135 ohms)	BT8952 784 Kbps (2pair)	--
XF2311-3HD	4dB Min	20dB Min	--	55dB Typ @ 196KHz	-75dB (200 KHz, 6vp-p, 135 ohms)	BT8921 784 Kbps (2 pair)	--
XF2311-4HD	4dB Min	--	16.5dB Min	55dB Typ @ 292KHz	-75dB (200 KHz, 6vp-p, 135 ohms)	BT8921 1168 Kbps (2 pair)	--
XF2311-5HD	--	20dB Min	--	50dB Min @ 5-196KHz	-75dB (5 KHz, 6vp-p, 135 ohms)	--	784 Kbps (2 pair)
XF2311-6HD	--	--	16.5dB Min	50dB Min @ 5-292KHz	-75dB (5 KHz, 6vp-p, 135 ohms)	--	1168 Kbps (2 pair)

Mechanical:

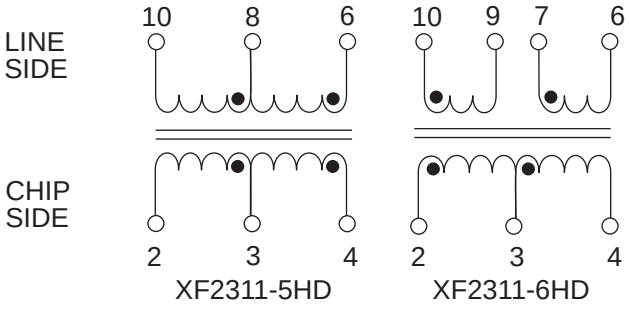




Schematics:



XF2311-1HD, XF2311-2HD,
XF2311-3HD, XF2311-4HD



XF2311-5HD XF2311-6HD