

LOW PROFILE AUDIO TRANSFORMERS

1. Frequency response: $\pm 2\text{dB}$,300Hz-50KHz at 1.0 milliwatt.
2. Maximum distortion: 5% at 0.050 W &300Hz.
3. Weight: 3 grams.
4. Built in accordance with MIL-T-27 specification.
5. Designation is TF5S21ZZ for transformers.
6. Dielectric Strength: All units tested at 200V RMS.
7. Insulation Resistance: Greater than 10,000 megaohms at 300VDC.
8. Operating Temperature: -55? to 130? .
9. Terminals: 0.020" X 0.006" (lead dia 0.020" for Plug-in).
10. Thermal Shock: 25 cycles, MIL-STD-202E, Test Method 107D, Condition A.



Electrical Characteristics:

PART NUMBER*	PRIMARY IMPEDANCE (OMHS)	SECONDARY IMPEDANCE (OMHS) SPLIT WINDINGS		PRIMARY UNBAL DC CURRENT (mA)	PRIMARY DC RESISTANCE (OHMS)	SECONDARY DC RESISTANCE (OHMS) Max		TURNS RATIO PRI/SEC	
		SER	PAR			SER CON	PAR CON	SEC SER CONN	SEC SER CONN
5T6229-001X	20CT	8CT	2.0	30.0	2	1.20	0.30	1.58:1	3.16:1
5T6229-002X	20CT	8CT	2.0	22.0	1.6	0.8	0.19	1.58:1	3.16:1
5T6229-003X	20CT	20CT	5.0	30.0	2	2.80	0.70	1:1	2:1
5T6229-004X	20CT	20CT	5.0	22.0	1.6	1.9	0.48	1:1	2:1
5T6229-005X	48CT	16CT	4.0	14.5	3.8	1.5	0.04	1.73:1	3.46:1
5T6229-006X	48CT	16CT	4.0	19.0	4	3.00	0.75	1.73:1	3.46:1
5T6229-007X	50CT	50CT	12.5	14.0	4	4.8	1.20	1:1	2:1
5T6229-008X	50CT	50CT	12.5	19.0	5	7.00	1.00	1:1	2:1
5T6229-009X	80CT	32CT	8.0	11.0	6.4	3.0	0.75	1.58:1	3.16:1
5T6229-010X	80CT	32CT	8.0	15.0	7.5	4.30	1.00	1.58:1	3.16:1
5T6229-011X	100CT	100CT	25.0	10.0	8	9.6	2.40	1:1	2:1
5T6229-012X	100CT	100CT	25.0	13.0	11	12.00	3.00	1:1	2:1
5T6229-013X	120CT	12.8CT	3.2	9.0	9.6	1.2	0.30	3.06:1	6.12:1
5T6229-014X	120CT	12.8CT	3.2	12.0	12	2.20	0.55	3.06:1	6.12:1
5T6229-015X	120CT	120CT	30.0	9.0	9.6	12	3.00	1:1	2:1
5T6229-016X	120CT	120CT	30.0	12.0	12	13.00	3.30	1:1	2:1
5T6229-017X	150CT	50CT	12.5	8.0	12	4.8	1.20	1.73:1	3.46:1
5T6229-018X	150CT	50CT	12.5	11.0	13	6.80	1.70	1.73:1	3.46:1
5T6229-019X	150CT	100CT	25.0	8.0	12	9.6	2.40	1.22:1	2.44:1
5T6229-020X	150CT	100CT	25.0	11.0	13	12.00	3.00	1.22:1	2.45:1
5T6229-021X	150CT	150CT	37.5	8.0	12	14	3.50	1:1	2:1
5T6229-022X	150CT	150CT	37.5	11.0	13	18.00	4.60	1:1	2:1
5T6229-023X	150CT	600CT	150.0	8.0	12	56	14.00	1:2	1:1
5T6229-024X	150CT	600CT	150.0	11.0	13	75.00	19.00	1:2	1:1
5T6229-025X	300CT	150CT	37.5	5.5	24	14	3.50	1.41:1	2.83:1
5T6229-026X	300CT	150CT	37.5	8.0	30	18.00	4.60	1.41:1	2.83:1
5T6229-027X	300CT	300CT	75.0	5.5	24	28	7.00	1:1	2:1
5T6229-028X	300CT	300CT	75.0	8.0	30	34.00	8.50	1:1	2:1
5T6229-029X	300CT	600CT	150.0	5.5	24	56	14.00	1:1.41	1.41:1
5T6229-030X	300CT	600CT	150.0	8.0	30	60.00	15.00	1:1.41	1.41:1
5T6229-031X	320CT	12.8CT	3.2	5.5	26	1.2	0.30	5:1	10:1
5T6229-032X	320CT	12.8CT	3.2	7.5	31	1.70	0.43	5:1	10:1
5T6229-033X	500CT	12.8CT	3.2	4.5	40	1.2	0.30	6.25:1	12.5:1
5T6229-034X	500CT	12.8CT	3.2	6.0	48	1.70	0.43	6.25:1	12.5:1
5T6229-035X	500CT	50CT	12.5	4.5	40	4.8	1.20	3.16:1	6.32:1
5T6229-036X	500CT	50CT	12.5	6.0	48	6.80	1.70	3.16:1	6.32:1
5T6229-037X	500CT	500CT	125.0	4.5	40	48	12.00	1:1	2:1
5T6229-038X	500CT	500CT	125.0	6.0	48	51.00	13.00	1:1	2:1

*Configuration: X noting use type--S=Surface-mount and P=Plug-in

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PART NUMBER*	PRIMARY IMPEDANCE (OMHS)	SECONDARY IMPEDANCE (OMHS) SPLIT		PRIMARY UNBAL DC CURRENT (mA)	PRIMARY DC RESISTANCE (OHMS)	SECONDARY DC RESISTANCE (OHMS) Max		TURNS RATIO PRI/SEC	
		SER	PAR			SER CON	PAR CON	SEC SER CONN	SEC SER CONN
5T6229-039X	600CT	12.8CT	3.2	4.0	48	1.2	0.30	6.85:1	13:7
5T6229-040X	600CT	12.8CT	3.2	5.5	53	1.70	0.43	6.85:1	13.7:1
5T6229-041X	600CT	48CT	12.0	4.0	48	46	12.00	3.54:1	7.07:1
5T6229-042X	600CT	48CT	12.0	5.5	53	6.80	1.70	3.5:1	7.07:1
5T6229-043X	600CT	600CT	150	4.0	48	56	14	1:1	2:1
5T6229-044X	600CT	600CT	150.0	5.5	53	79.00	20.00	1:1	2:1
5T6229-045X	600CT	1200CT	300	4.0	48	120	30	1:1.41	1.41:1
5T6229-046X	600CT	1200CT	300.0	5.5	53	105.00	26.00	1:1.41	1.41:1
5T6229-047X	1000CT	12CT	3	3	80	1.2	0.3	9.13:1	18.26:1
5T6229-048X	1000CT	12CT	3.0	4.5	103	16.00	4.00	9.13:1	18.3:1
5T6229-049X	1000CT	50CT	12.5	3	80	4.8	1.2	4.47:1	8.94:1
5T6229-050X	1000CT	50CT	12.5	4.5	103	64.00	16.00	4.47:1	8.94:1
5T6229-051X	1000CT	1000CT	250	3	80	96	24	1:1	2:1
5T6229-052X	1000CT	1000CT	250.0	4.5	103	126.00	30.00	1:1	2:1
5T6229-053X	1200CT	12.8CT	3.2	2.9	100	1.50	0.37	9.68:1	19.4:1
5T6229-054X	1200CT	12.8CT	3.2	3	96	1.2	0.3	9.68:1	19.4:1
5T6229-055X	1200CT	12.8CT	3.2	4	110	1.7	0.43	9.68:1	19.4:1
5T6229-056X	1200CT	500CT	125.0	2.9	100	60.00	15.00	1.55:1	3.1:1
5T6229-057X	1200CT	500CT	125	3	96	48	24	1.55:1	3.1:1
5T6229-058X	1200CT	500CT	125	4	110	52	13	1.55:1	3.1:1
5T6229-059X	1200CT	1200CT	300.0	2.9	100	140.00	35.00	1:1	2:1
5T6229-060X	1200CT	1200CT	300	3	96	120	30	1:1	2:1
5T6229-61X	1200CT	1200CT	300	4	110	128	32	1:1	2:1
5T6229-062X	1500CT	12CT	3.0	2.6	130	1.40	0.35	11.2:1	22.4:1
5T6229-063X	1500CT	12CT	3	3.5	130	1.6	0.4	11.2:1	22.4:1
5T6229-064X	1600CT	12.8CT	3.2	2.5	130	1.2	3.00	11.18:1	22.36:1
5T6229-065X	1600CT	12.8CT	3.2	2.5	150	1.50	0.37	11.2:1	22.4:1
5T6229-066X	1600CT	12.8CT	3.2	3.5	140	1.7	0.43	11.2:1	22.4:1
5T6229-067X	2000CT	8CT	2.0	2.2	160	0.8	0.19	15.8:1	31.6:1
5T6229-068X	2000CT	8CT	2.0	2.2	170	0.92	0.23	15.8:1	31.6:1
5T6229-069X	2000CT	8CT	2	3	200	1.2	0.3	15.8:1	31.6:1
5T6229-070X	2000CT	2000CT	500.0	2.2	160	190.0	48.00	1:1	2:1
5T6229-071X	2000CT	2000CT	500.0	2.2	170	230.00	57.00	1:1	2:1
5T6229-072X	2000CT	2000CT	500	3	200	220	55	1:1	2:1
5T6229-073X	3000CT	3000CT	725.0	1.8	250	350.00	88.00	1:1	2:1
5T6229-074X	3000CT	3000CT	750	2.5	240	340	85	1:1	2:1
5T6229-075X	4000CT	16CT	4.0	1.6	34	1.80	0.45	15.8:1	31.6:1
5T6229-076X	4000CT	16CT	4.0	1.6	320	1.6	0.40	15.8:1	31.6:1
5T6229-077X	4000CT	16CT	4	2	350	3	0.75	15.8:1	31.6:1
5T6229-078X	4000CT	600CT	150.0	1.6	34	70.00	18.00	2.58:1	5.16:1
5T6229-079X	4000CT	600CT	150.0	1.6	320	56.0	14.00	2.58:1	5.16:1
5T6229-080X	4000CT	600CT	150	2	350	76	19	2.58:1	5.16:1
5T6229-081X	4000CT	1000CT	150.0	1.6	34	120.00	30.00	2:1	4:1
5T6229-082X	4000CT	1000CT	250.0	1.6	320	96.0	24.00	2:1	4:1
5T6229-083X	4000CT	1000CT	250	2	350	120	30	2:1	4:1
5T6229-084X	5000CT	500CT	125.0	1.4	42	58.00	14.00	3.16:1	6.32:1
5T6229-085X	5000CT	500CT	125.0	1.4	400	48	12.00	3.16:1	6.32:1
5T6229-086X	5000CT	500CT	125	2	400	68	17	3.16:1	6.32:1
5T6229-087X	5000CT	5000CT	1250.0	1.2	42	580.00	150.00	1:1	2:1
5T6229-088X	5000CT	5000CT	1250.0	1.4	400	480	120.00	1:1	2:1
5T6229-089X	5000CT	5000CT	1250	2	400	540	14	1:1	2:1

*Configuration: X noting use type--S=Surface-mount and P=Plug-in

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PART NUMBER*	PRIMARY IMPEDANCE (OMHS)	SECONDARY IMPEDANCE (OMHS) SPLIT		PRIMARY UNBAL DC CURRENT (mA)	PRIMARY DC RESISTANCE (OHMS)	SECONDARY DC RESISTANCE (OHMS) Max		TURNS RATIO PRI/SEC	
		SER	PAR			SER CON	PAR CON	SEC SER CONN	SEC SER CONN
5T6229-090X	7500CT	50CT	12.5	1.2	600	4.8	1.20	12.25:1	24.5:1
5T6229-091X	7500CT	50CT	12.5	1.2	630	58.00	14.00	12.2:1	24.5:1
5T6229-092X	7500CT	50CT	12.5	1.5	600	7.2	1.8	12.2:1	24.5:1
5T6229-093X	7500CT	600CT	150.0	1.2	600	56	14.00	3.54:1	7.07:1
5T6229-094X	7500CT	600CT	150.0	1.2	630	70.00	18.00	3.54:1	7.07:1
5T6229-095X	7500CT	600CT	150	1.5	600	80	20	3.54:1	7.07:1
5T6229-096X	7500CT	2500CT	625.0	1.2	600	240	60.00	1.73:1	3.46:1
5T6229-097X	7500CT	2500CT	625.0	1.2	630	290.00	73.00	1.73:1	3.46:1
5T6229-098X	7500CT	2500CT	625	1.5	600	300	75	1.73:1	3.46:1
5T6229-099X	8000CT	12.8CT	3.2	1.1	640	1.2	0.30	25:1	50:1
5T6229-100X	8000CT	12.8CT	3.2	1.1	670	1.50	0.37	25.1:1	50:1
5T6229-101X	8000CT	12.8CT	3.2	1.5	750	1.7	0.43	25:1	50:1
5T6229-102X	8000CT	1000CT	250.0	1.1	640	96	24.00	2.83:1	5.66:1
5T6229-103X	8000CT	1000CT	250.0	1.1	670	120.00	30.00	2.83:1	5.66:1
5T6229-104X	8000CT	1000CT	250	1.5	750	120	30	2.83:1	5.66:1
5T6229-105X	10000CT	12.8CT	3.2	1.0	800	1.3	0.30	28:1	56:1
5T6229-106X	10000CT	12.8CT	3.2	1.0	840	1.50	0.37	28:1	56:1
5T6229-107X	10000CT	12.8CT	3.2	1.4	1000	1.7	0.43	28:1	56:1
5T6229-108X	10000CT	16CT	4.0	1.0	800	1.4	0.40	25:1	50:1
5T6229-109X	10000CT	16CT	4.0	1.0	840	1.80	0.45	25:1	50:1
5T6229-110X	10000CT	16CT	4	1.4	1000	3	0.75	25:1	50:1
5T6229-111X	10000CT	200CT	50.0	1.0	800	19	4.80	7.07:1	14.14:1
5T6229-112X	10000CT	200CT	50.0	1.0	840	24.00	6.00	7.07:1	14.14:1
5T6229-113X	10000CT	200CT	50	1.4	1000	28	7	7.07:1	14.14:1
5T6229-114X	10000CT	600CT	150.0	1.0	800	56	14.00	4.08:1	8.16:1
5T6229-115X	10000CT	600CT	150.0	1.0	840	70.00	18.00	4.08:1	8.16:1
5T6229-116X	10000CT	600CT	150	1.4	1000	76	19	4.08:1	8.16:1
5T6229-117X	10000CT	1000CT	250.0	1.0	800	96	24.00	3.16:1	6.32:1
5T6229-118X	10000CT	1000CT	250.0	1.0	840	120.00	30.00	3.16:1	6.32:1
5T6229-119X	10000CT	1000CT	250	1.4	1000	120	30	3.16:1	6.32:1
5T6229-120X	10000CT	1500CT	375.0	1.0	800	140	35.00	2.58:1	5.16:1
5T6229-121X	10000CT	1500CT	375.0	1.0	840	180.00	45.00	2.58:1	5.16:1
5T6229-122X	10000CT	1500CT	375	1.4	1000	180	45	2.58:1	5.16:1
5T6229-123X	10000CT	2000CT	500.0	1.0	800	190	48.00	2.24:1	4.47:1
5T6229-124X	10000CT	2000CT	500	1.4	1000	260	65	2.24:1	4.47:1
5T6229-125X	10000CT	5000CT	1250.0	1.0	800	480	120.00	1.14:1	2.83:1
5T6229-126X	10000CT	5000CT	1250.0	1.0	840	580.00	150.00	1.41:1	2.83:1
5T6229-127X	10000CT	5000CT	1250	1.4	1000	640	160	1.41:1	2.83:1
5T6229-128X	10000CT	10000CT	2500.0	1.0	800	960	240.00	1:1	2:1
5T6229-129X	10000CT	10000CT	2500.0	1.0	840	1200.00	300.00	1:1	2:1
5T6229-130X	10000CT	10000CT	2500	1.4	1000	1200	300	1:1	2:1
5T6229-131X	20000CT	600CT	150	0.7	1600	56	14	5.77:1	11.55:1
5T6229-132X	20000CT	1000CT	250	0.7	1600	96	24	4.47:1	8.94:1
5T6229-133X	20000CT	5000CT	1250	0.7	1600	480	120	2:1	4:1
5T6229-134X	20000CT	10000CT	2500	0.7	1600	960	240	1.41:1	2.83:1
5T6229-135X	20000CT	20000CT	5000	0.7	1600	1900	480	1:1	2:1
5T6229-136X	30000CT	50CT	12.5	0.6	2400	4.8	1.2	24.5:1	49:1
5T6229-137X	30001CT	500CT	125	0.6	2400	48	12	7.7:1	15.5:1
5T6229-138X	30002CT	5000CT	1250	0.6	2400	480	120	2.45:1	4.9:1

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