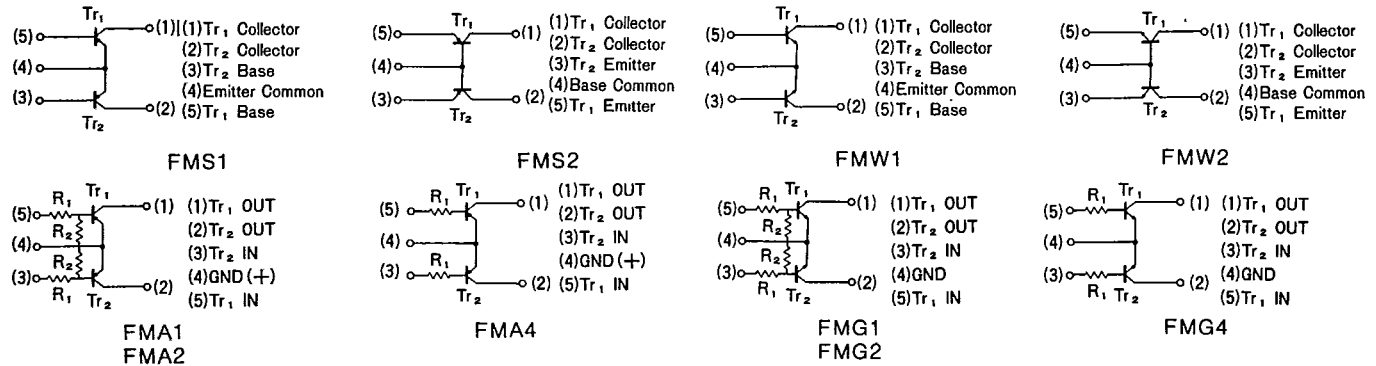


• New SOT-25 Functional Circuit Using Multiple Digital Transistors

\*I<sub>o</sub> Max.

Function	Type	V <sub>CEO</sub> (V)	I <sub>c</sub> (mA)	Equivalent product	Common	Built-in resistance value	Package
Pre Amp (With two transistor circuits included)	FMS1	-40	-100	2SA1037Kx2	Emitter		SOT-25 Fig. 2
	FMS2	-40	-100	2SA1037Kx2	Base		SOT-25 Fig. 2
	FMW1	40	100	2SC2412Kx2	Emitter		SOT-25 Fig. 2
	FMW2	40	100	2SC2412Kx2	Base		SOT-25 Fig. 2
Inverter Driver (With two digital transistor circuits included)	FMA1	-40	-30*	DTA124EKx2	Ground	22kΩ/22kΩ	SOT-25 Fig. 2
	FMA2	-40	-30*	DTA144EKx2	Ground	47kΩ/47kΩ	SOT-25 Fig. 2
	FMA4	-40	-100	DTA114TKx2	Ground	10kΩ/—	SOT-25 Fig. 2
	FMG1	40	30*	DTC124EKx2	Ground	22kΩ/22kΩ	SOT-25 Fig. 2
	FMG2	40	30*	DTC144EKx2	Ground	47kΩ/47kΩ	SOT-25 Fig. 2
	FMG4	40	100	DTC114TKx2	Ground	10kΩ/—	SOT-25 Fig. 2
	FMA3	-50	-100	DTA143TKx2	Ground	4.7kΩ/—	SOT-25 Fig. 2
	FMA6	-50	-100	DTA144TKx2	Ground	47kΩ/—	SOT-25 Fig. 2
	FMA7	-50*	-100**	DTA143XKx2	Ground	4.7kΩ/10kΩ	SOT-25 Fig. 2
	FMA9	-50*	-50**	DTA114EKx2	Ground	10kΩ/10kΩ	SOT-25 Fig. 2
	FMA10	-50*	-100**	DTA113ZKx2	Ground	1.0kΩ/10kΩ	SOT-25 Fig. 2
	FMG6	50	100	DTC144TKx2	Ground	47kΩ/—	SOT-25 Fig. 2
	FMG7	50	100	DTC114TKx2		10kΩ/—	SOT-25 Fig. 2
	FMG8	30	100	DTC143ZKx2	Ground	4.7kΩ/47kΩ	SOT-25 Fig. 2
	FMG9	50*	50**	DTC114EKx2	Ground	10kΩ/10kΩ	SOT-25 Fig. 2

SOT-25 Equivalent Integrated Circuits



■ Digital Transistors (Includes Resistors) • I<sub>o</sub> • 100mA Specifications

Type	Resistance value		V <sub>cc</sub> (V)	V <sub>IN</sub> (V)	I <sub>o</sub> (mA)	I <sub>c</sub> Max. (mA)	Pd (mW)		G <sub>I</sub>	Typ.	V <sub>O</sub> (ON)(V)		
	R <sub>1</sub> (kΩ)	R <sub>2</sub> (kΩ)					ATR	SMT			Max.	I <sub>o</sub> (mA)	I <sub>I</sub> (mA)
DTA123E A/F/S/K/N	2.2	2.2	-50	-12	10	-100	300	200	20 ~	-0.1	-0.3	-10	-0.5
DTA143E A/F/S/K/N	4.7	4.7	-50	-30	10	-100	300	200	20 ~	-0.1	-0.3	-10	-0.5
DTA114E A/F/S/K/N	10	10	-50	-40	10	-50	300	200	30 ~	-0.1	-0.3	-10	-0.5
DTA124E A/F/S/K/N	22	22	-50	-40	10	-30	300	200	56 ~	-0.1	-0.3	-10	-0.5
DTA144E A/F/S/K/N	47	47	-50	-40	10	-30	300	200	68 ~	-0.1	-0.3	-10	-0.5
DTA143X A/F/S/K/N	4.7	10	-50	-20	7	-100	300	200	30 ~	-0.1	-0.3	-10	-0.5
DTA114Y A/F/S/K/N	10	47	-50	-40	6	-100	300	200	68 ~	-0.1	-0.3	-5	-0.25
DTA124X A/F/S/K/N	22	47	-50	-40	10	-100	300	200	68 ~	-0.1	-0.3	-10	-0.5
DTA144W A/F/S/K/N	47	22	-50	-40	10	-30	300	200	56 ~	-0.1	-0.3	-10	-0.5
DTA123J A/F/S/K/N	2.2	47	-50	-12	10	-100	300	200	80 ~	-0.1	-0.3	-5	-0.25
DTA143Z A/F/S/K/N	4.7	47	-50	-30	10	-100	300	200	80 ~	-0.1	-0.3	-5	-0.25
DTC123E A/F/S/K/N	2.2	2.2	-50	12	-10	100	300	200	20 ~	0.1	0.3	10	0.5
DTC143E A/F/S/K/N	4.7	4.7	50	30	-10	100	300	200	20 ~	0.1	0.3	10	0.5
DTC114E A/F/S/K/N	10	10	50	40	-10	50	300	200	30 ~	0.1	0.3	10	0.5
DTC124E A/F/S/K/N	22	22	50	40	-10	30	300	200	56 ~	0.1	0.3	10	0.5
DTC144E A/F/S/K/N	47	47	50	40	-10	30	300	200	68 ~	0.1	0.3	10	0.5
DTC143X A/F/S/K/N	4.7	10	50	20	-7	100	300	200	30 ~	0.1	0.3	10	0.5
DTC114Y A/F/S/K/N	10	47	50	40	-6	100	300	200	68 ~	0.1	0.3	5	0.25
DTC124X A/F/S/K/N	22	47	50	40	-10	100	300	200	68 ~	0.1	0.3	10	0.5
DTC144W A/F/S/K/N	47	22	50	40	-10	30	300	200	56 ~	0.1	0.3	10	0.5
DTC123J A/F/S/K/N	2.2	47	50	12	-10	100	300	200	80 ~	0.1	0.3	5	0.25
DTC143Z A/F/S/K/N	4.7	47	50	30	-10	100	300	200	80 ~	0.1	0.3	5	0.25