

Type	Resistance value R ₁ (kΩ)	V _{CB0} (V)	V _{CE0} (V)	V _{EB0} (V)	I _C (mA)	Pd (mW)		Min.	h _{FE}		Max.	V _{CE} (sat)		
						ATR TO-92 FTR SPT	SMT		Typ.	Max.		Max.	I _C (mA)	I _B (mA)
DTA143T A/F/S/K/N	4.7	-50	-50	-5	-100	300	200	100	300	600	-0.3	-5	-0.25	
DTA114T A/F/S/K/N	10	-50	-50	-5	-100	300	200	100	250	600	-0.5	-10	-1	
DTA124T A/F/S/K/N	22	-50	-50	-5	-100	300	200	100	300	680	-0.3	-5	-0.5	
DTA144T A/F/S/K/N	47	-50	-50	-5	-100	300	200	100	300	680	-0.3	-5	-0.5	
DTC143T A/F/S/K/N	4.7	50	50	5	100	300	200	100	300	600	0.3	5	0.25	
DTC114T A/F/S/K/N	10	50	50	5	100	300	200	100	250	600	0.5	10	1	
DTC124T A/F/S/K/N	22	50	50	5	100	300	200	100	300	680	0.3	5	0.5	
DTC144T A/F/S/K/N	47	50	50	5	100	300	200	100	300	680	0.3	5	0.5	

Note: 1 The last letter in the code represents the package type
A: ATR; F: FTR; S: SPT; K: SOT-23; N: TO-92
2. DTA and DTB series: PNP; DTC and DTD series: NPN

• I_O • 500mA Specifications New

○ Under Development

Type	Resistance value		V _{CC} (V)	V _{IN} (V)	I _O (mA)	I _C Max. (mA)	Pd (mW)		G _I	Typ.	V _O (ON) (V)			
	R ₁ (kΩ)	R ₂ (kΩ)					ATR TO-92 FTR SPT	SMT			Max.	I _O (mA)	I _I (mA)	
○ DTB113E A/F/S/K/N	1.0	1.0	-50	-10	10	-500	-500	300	200	20~	-0.1	-0.5	-50	-2.5
DTB123E A/F/S/K/N	2.2	2.2	-50	-12	10	-500	-500	300	200	20~	-0.1	-0.5	-10	-0.5
DTB143E A/F/S/K/N	4.7	4.7	-50	-30	10	-500	-500	300	200	20~	-0.1	-0.5	-10	-0.5
DTB114E A/F/S/K/N	10	10	-50	-40	10	-500	-500	300	200	30~	-0.1	-0.5	-10	-0.5
○ DTB113Z A/F/S/K/N	1.0	10	-50	-10	10	-500	-500	300	200	30~	-0.1	-0.5	-10	-0.5
DTB123Y A/F/S/K/N	2.2	10	-50	-12	10	-500	-500	300	200	30~	-0.1	-0.5	-10	-0.5
DTB133H K/F/A/L/V/S	3.3	10	-50	-20	6	-500	-500	300	200	56~	-0.1	-0.3	-50	-2.5
○ DTD113E A/F/S/K/N	1.0	1.0	50	10	-10	500	500	300	200	20~	0.1	0.5	50	2.5
DTD123E A/F/S/K/N	2.2	2.2	50	12	-10	500	500	300	200	20~	0.1	0.5	10	0.5
DTD143E A/F/S/K/N	4.7	4.7	50	30	-10	500	500	300	200	20~	0.1	0.5	10	0.5
DTD114E A/F/S/K/N	10	10	50	40	-10	500	500	300	200	30~	0.1	0.5	10	0.5
○ DTD113Z A/F/S/K/N	1.0	10	50	10	-10	500	500	300	200	30~	0.1	0.5	10	0.5
DTD123Y A/F/S/K/N	2.2	10	50	12	-10	500	500	300	200	30~	0.1	0.5	10	0.5
DTD133H K/F/A/L/V/S	3.3	10	50	20	-6	500	500	300	200	56~	0.1	0.3	50	2.5

• For Muting New

Type	Resistance value		V _{CC} (V)	V _{IN} (V)	I _O (mA)	I _C Max. (mA)	Pd (mW)		G _I	V _O (ON)(V)				R _{ON} (Ω)	
	R ₁ (kΩ)	R ₂ (kΩ)					ATR TO-92 FTR SPT	SMT		Typ.	Max.	I _O (mA)	I _I (mA)		
DTC363E A/F/S/K/V/L/N	6.8	6.8	20	10	—10	600	600	300	200	50	20	200	10	0.5	1.0

Note: 1. The last letter in the code represents the package type
A: ATR; F: FTR; S: SPT; K: SOT-23; N: TO-92
2. DTA and DTB series: PNP; DTC and DTD series: NPN

■ Digital Transistor (Includes Resistors)

• 500mA Specifications

Type	Resistance value R ₁ (kΩ)	V _{CB0} (V)	V _{CE0} (V)	V _{EB0} (V)	I _C (mA)	Pd (mW)			h _{FE}			V _{CE} (sat) (V)		
						ATR ATV	FTR FTL SPT	SMT	Min.	Typ.	Max.	Max.	I _C (mA)	I _B (mA)
DTB123T K/F/A/L/V/S	2.2	-50	-40	-5	-500	600	300	200	100	250	600	-0.3	-50	-2.5
DTB143T K/F/A/L/V/S	4.7	-50	-40	-5	-500	600	300	200	100	250	600	-0.3	-50	-2.5
DTB163T K/F/A/L/V/S	6.8	-50	-40	-5	-500	600	300	200	100	250	600	-0.3	-50	-2.5
DTB114T K/F/A/L/V/S	10	-50	-40	-5	-500	600	300	200	100	250	600	-0.3	-50	-2.5
DTD123T K/F/A/L/V/S	2.2	50	40	5	500	600	300	200	100	250	600	0.3	50	2.5
DTD143T K/F/A/L/V/S	4.7	50	40	5	500	600	300	200	100	250	600	0.3	50	2.5
DTD163T K/F/A/L/V/S	6.8	50	40	5	500	600	300	200	100	250	600	0.3	50	2.5
DTD114T K/F/A/L/V/S	10	50	40	5	500	600	300	200	100	260	600	0.3	50	2.5

• For Muting

Type	Resistance value R ₁ (kΩ)	V _{CB0} (V)	V _{CE0} (V)	V _{EB0} (V)	I _C (mA)	Pd (mW)			h _{FE}			V _{CE} (sat) (mV)			R _{on} (Ω) Typ.
						ATR ATV	FTR FTL SPT	SMT	Min.	Typ.	Max.	Max.	I _C (mA)	I _S (mA)	
DTC323T K/F/A/L/V/S	2.2	30	15	5	600	600	300	200	100	250	600	80	10	0.5	0.6

Notes: (1) Suffix symbols indicate package types: K: SMT, F: FTR, A: ATR, L: FTL, V: ATV, S: SPT
(2) DTA and DTB Series: PNP, DTC and DTD Series: NPN