



WT772

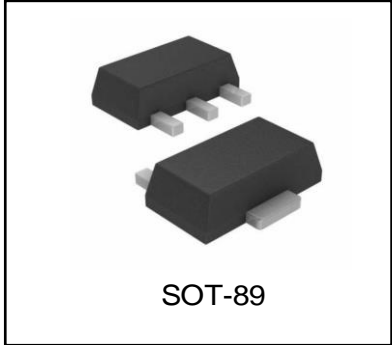
PNP Silicon Transistor

Features

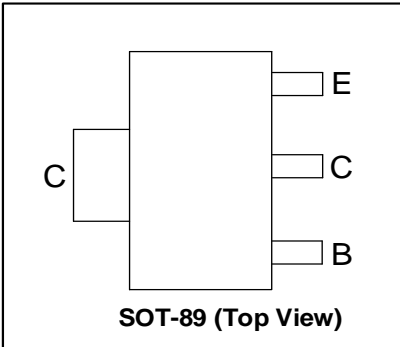
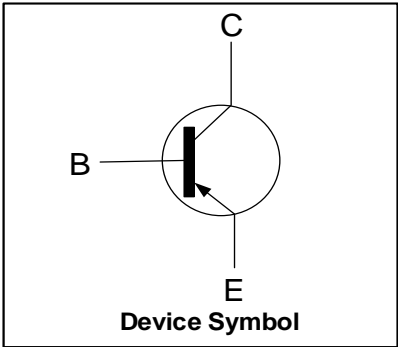
- Low Speed Switching

Mechanical Characteristics

- SOT-89 Package
- Marking : Making Code
- RoHS Compliant



Schematic & PIN Configuration



Absolute Maximum Rating

Parameter	Symbol	Value	Unit
Collector Base Voltage	V_{CBO}	-40	V
Collector Emitter Voltage	V_{CEO}	-30	V
Emitter Base Voltage	V_{EBO}	-6	V
Collector Current	I_c	-3	A
Collector Power Dissipation	P_c	500	mW
Junction Temperature	T_j	150	°C
Storage Temperature	T_{stg}	-55 ~ 150	°C
Thermal Resistance from Junction to Ambient	$R_{\theta JA}$	250	°C/W

Electrical Characteristics (T_{amb}=25°C unless otherwise noted)

Parameter	Symbol	Test Conditions	Min.	Typ.	Max.	Unit
Collector-Base Breakdown Voltage	V _{(BR)CBO}	I _C = -100μA, I _E = 0	-40	-	-	V
Collector-Emitter Breakdown Voltage	V _{(BR)CEO}	I _C = -10mA, I _B = 0	-30	-	-	V
Emitter-Base Breakdown Voltage	V _{(BR)EBO}	I _E = -100μA, I _C = 0	-6	-	-	V
Collector Cut-off Current	I _{CBO}	V _{CB} = -40V, I _E = 0	-	-	-1	μA
Collector Cut-off Current	I _{CEO}	V _{CE} = -30V, I _B = 0	-	-	-10	μA
Emitter Cut-off Current	I _{EBO}	V _{EB} = -6V, I _C = 0	-	-	-1	μA
DC Current Gain	h _{FE(1)}	V _{CE} = -2V, I _C = -1A	200	-	400	-
	h _{FE(2)}	V _{CE} = -2V, I _C = -100mA	32	-	-	-
Collector-Emitter Saturation Voltage	V _{CE(sat)}	I _C = -2A, I _B = -0.2A	-	-	-0.45	V
Base-Emitter Saturation Voltage	V _{BE(sat)}	I _C = -2A, I _B = -0.2A	-	-	-1.50	V
Transition Frequency	f _T	V _{CE} = -5V, I _C = -0.1A, f=10MHz	50	-	-	MHz

Typical Characteristics

Figure 1. Static Characteristics

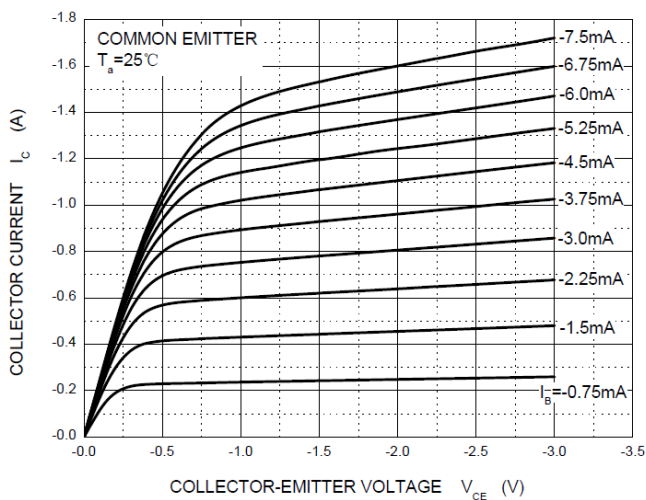


Figure 3. V_{CE(sat)} vs. I_C

Figure 2. h_{FE} vs. I_C

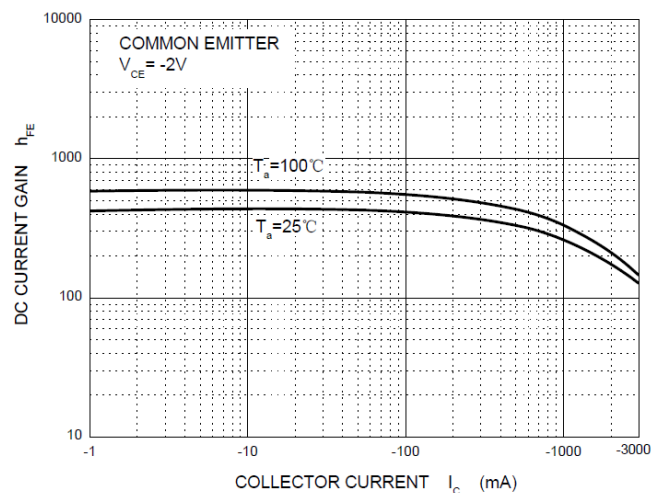


Figure 4. V_{BE(sat)} vs. I_C

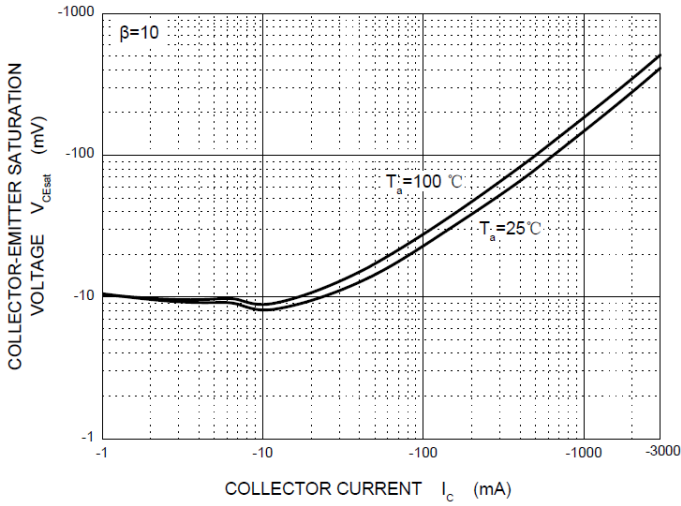


Figure 5. I_c vs. V_{BE}

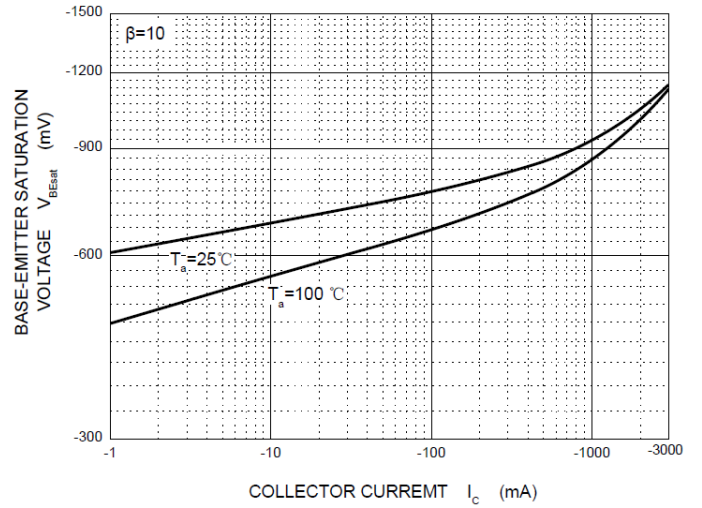


Figure 6. f_T vs. I_c

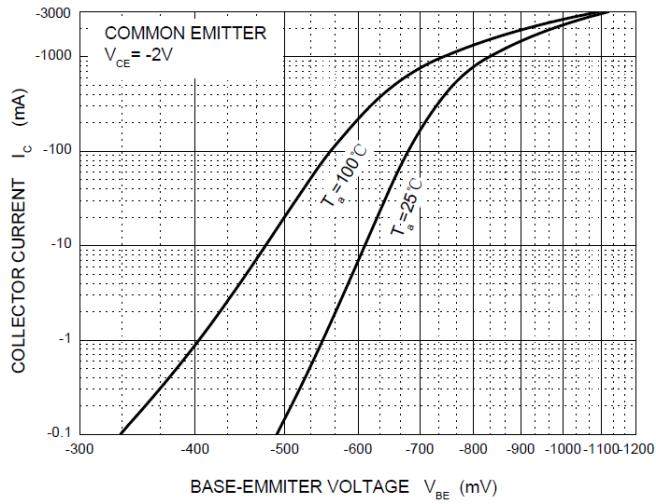
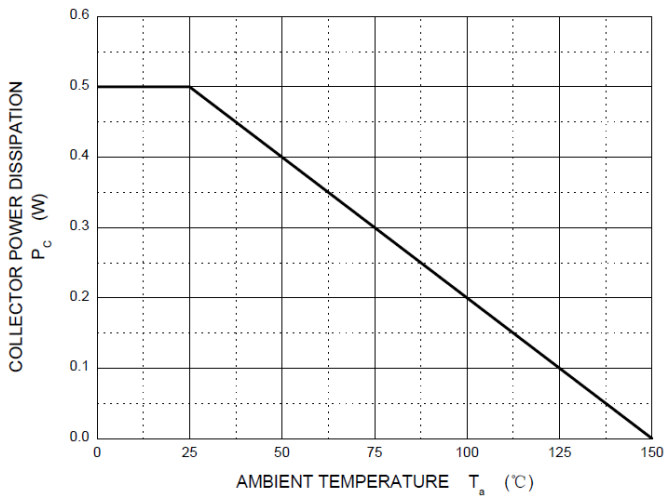
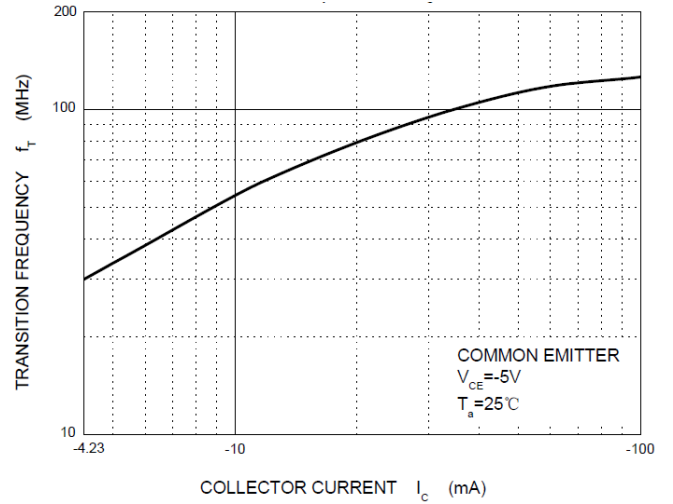
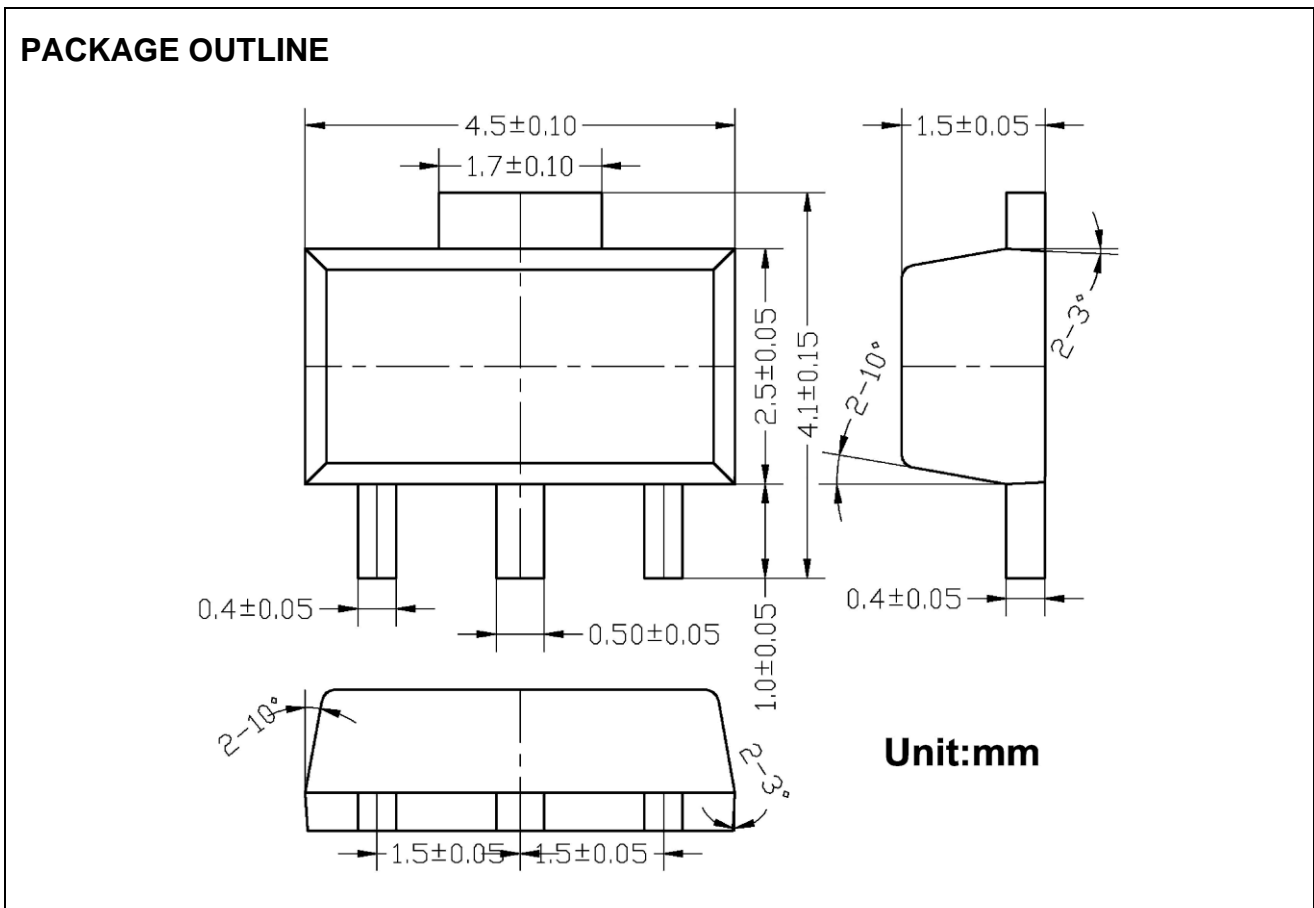


Figure 7. P_C vs. T_a



Outline Drawing – SOT-89



Marking Codes

Part Number	WT772
Marking Code	

Package Information

Qty: 1k/Reel

CONTACT INFORMATION

No.1001, Shiwan (7) Road, Pudong District, Shanghai, P.R.China.201207

Tel: 86-21-68969993 Fax: 86-21-50757680 Email: market@way-on.com

WAYON website: <http://www.way-on.com>

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*Specifications are subject to change without notice.
The device characteristics and parameters in this data sheet can and do vary in different applications and actual device performance may vary over time.
Users should verify actual device performance in their specific applications.*

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[>>WAY-ON\(维安\)](#)