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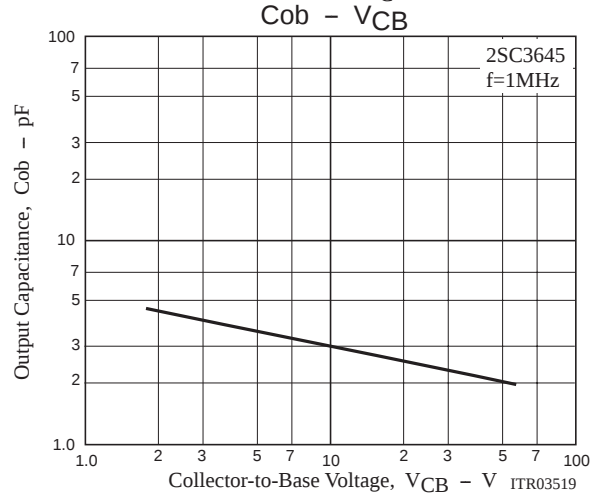
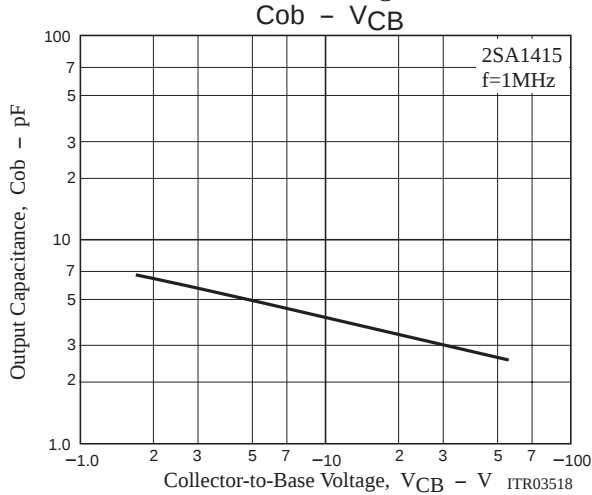
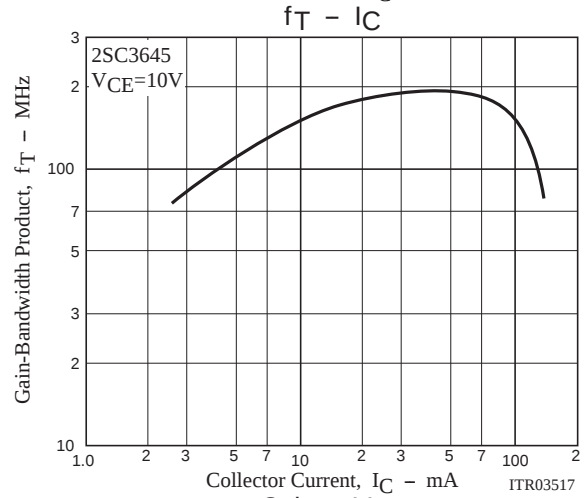
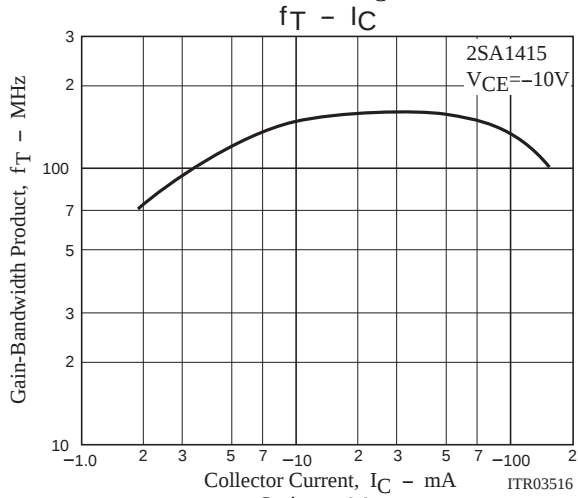
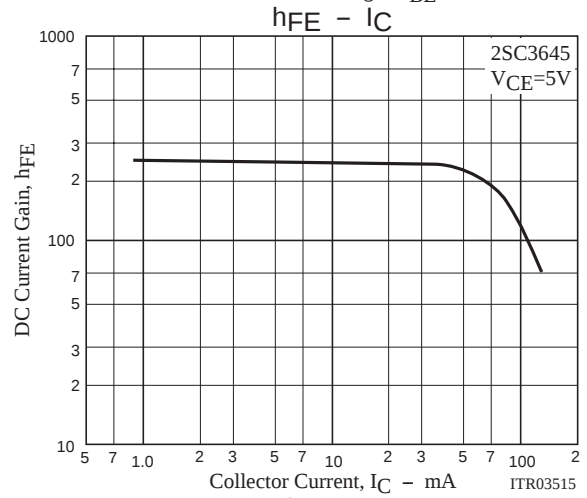
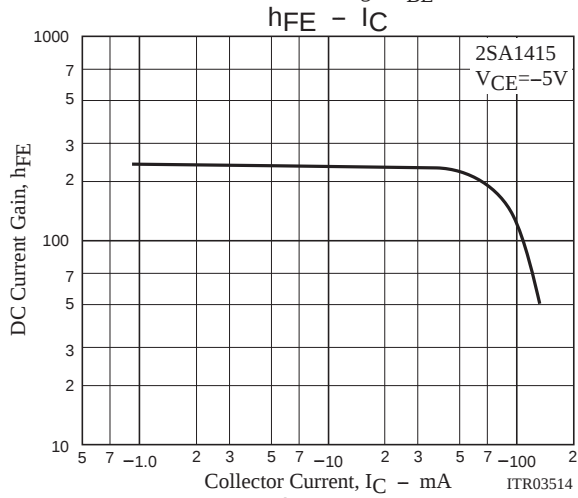
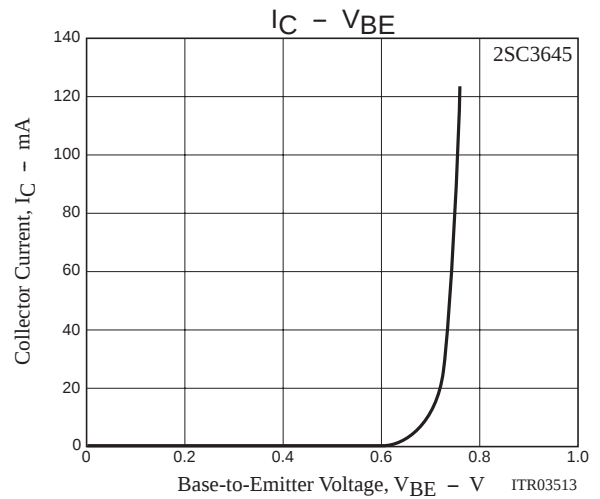
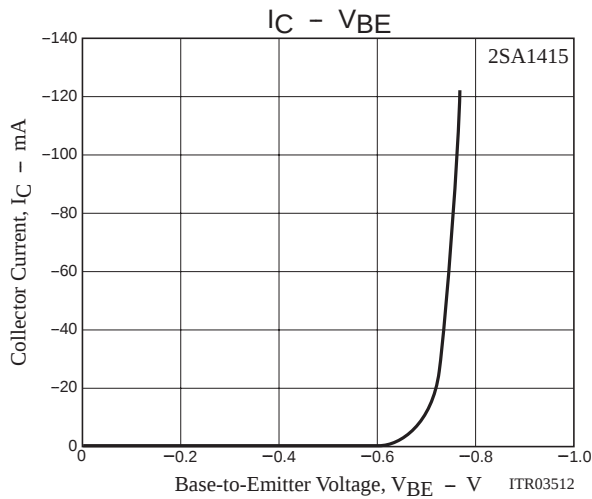
ON Semiconductor
DATA SHEET**2SA1415 / 2SC3645** — PNP / NPN Epitaxial Planar Silicon Transistors
**High-Voltage Switching,
Predriver Applications****Features**

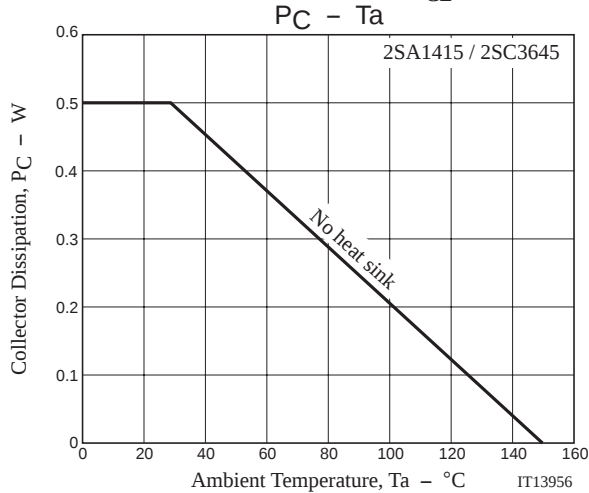
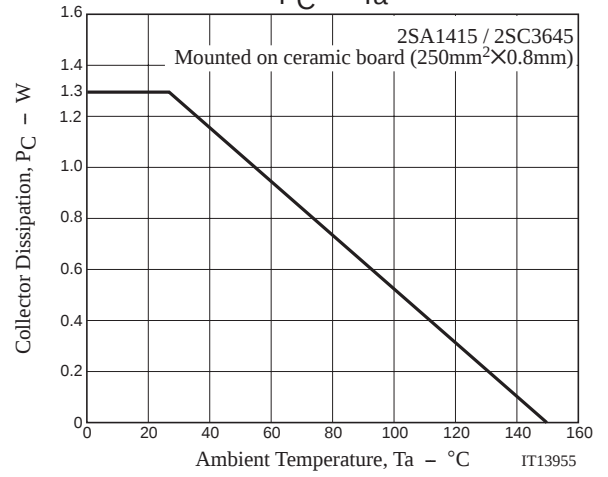
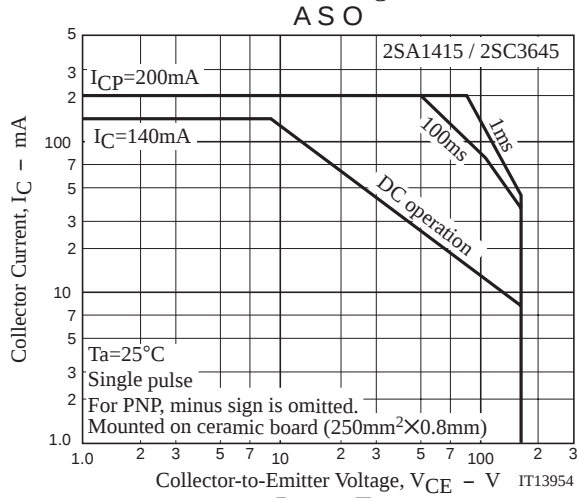
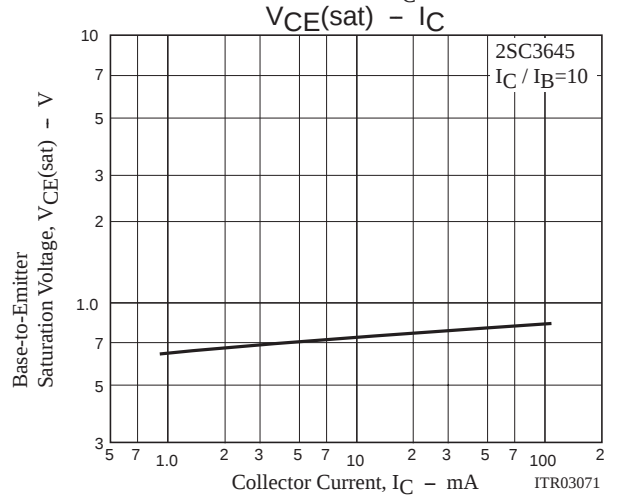
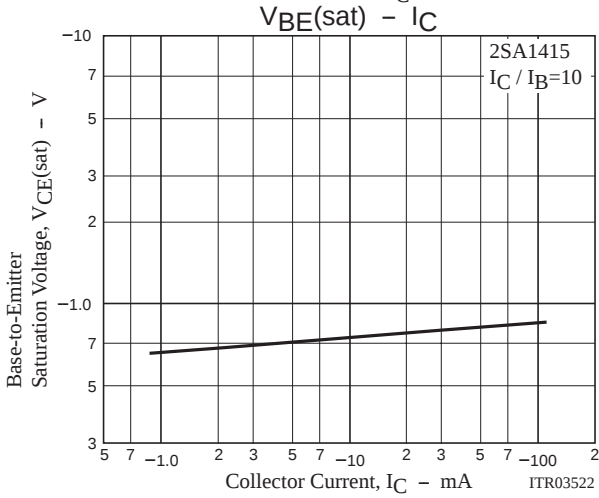
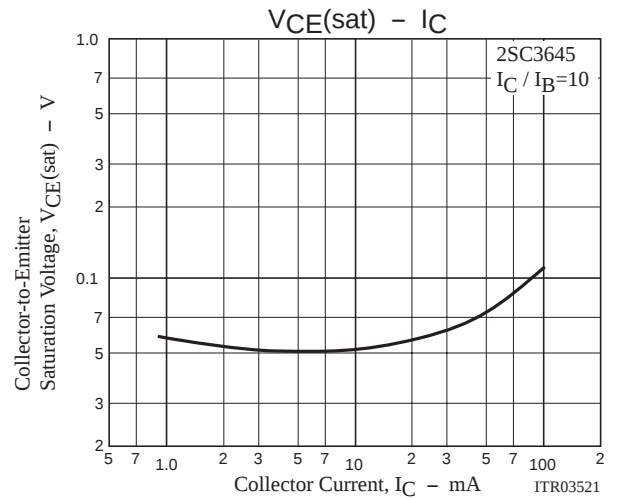
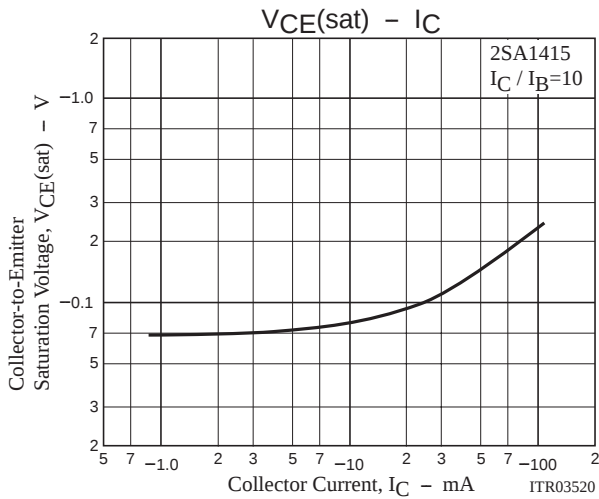
- Adoption of FBET process.
- High breakdown voltage ($V_{CEO}=160V$).
- Excellent linearity of h_{FE} and small C_{ob} .
- Fast switching speed.
- Ultrasmall size marking it easy to provide high-density, small-sized hybrid ICs.

Specifications () : 2SA1415**Absolute Maximum Ratings** at $T_a=25^{\circ}C$

Parameter	Symbol	Conditions	Ratings	Unit
Collector-to-Base Voltage	V_{CBO}		(-)180	V
Collector-to-Emitter Voltage	V_{CEO}		(-)160	V
Emitter-to-Base Voltage	V_{EBO}		(-)5	V
Collector Current	I_C		(-)140	mA
Collector Current (Pulse)	I_{CP}		(-)200	mA
Collector Dissipation	P_C		500	mW
		Moutned on ceramic board (250mm ² ×0.8mm)	1.3	W
Junction Temperature	T_J		150	°C
Storage Temperature	T_{stg}		-55 to +150	°C

Marking : 2SA1415 : AA, 2SC3645: CA





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