



2SD718

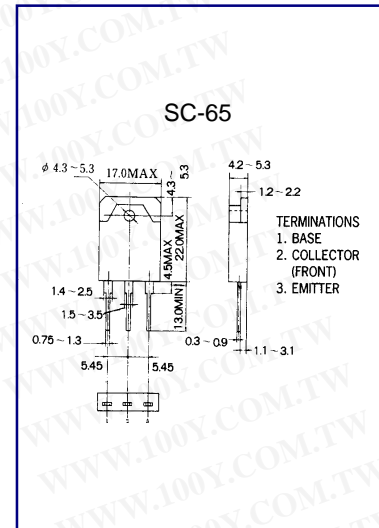
NPN PLANAR SILICON TRANSISTOR

AUDIO POWER AMPLIFIER DC TO DC CONVERTER

- High Current Capability
- High Power Dissipation
- Complementary to 2SB688

ABSOLUTE MAXIMUM RATING ($T_A=25^{\circ}\text{C}$)

Characteristic	Symbol	Rating	Unit
Collector-Base Voltage	VCBO	160	V
Collector-Emitter Voltage	VCEO	120	V
Emitter-Base voltage	VEBO	6	V
Collector Current (DC)	Ic	8	A
Collector Dissipation	Pc	80	W
Junction Temperature	Tj	150	$^{\circ}\text{C}$
Storage Temperature	Tstg	-55~150	$^{\circ}\text{C}$



ELECTRICAL CHARACTERISTICS ($T_A=25^{\circ}\text{C}$)

Characteristic	Symbol	Test Condition	Min	Typ	Max	Unit
Collector Base Breakdown Voltage	BVCBO	Ic=5 mA IE=0	160			V
Collector Emitter Breakdown Voltage	BVCEO	Ic=10 mA RBE= ∞	120			V
Emitter Base Breakdown Voltage	BVEBO	IE=5mA IC=0	6			V
Collector Cutoff Current	ICBO	VCB=60V IE=0			0.1	mA
Emitter Cutoff Current	IEBO	VEB=4V IC=0			0.1	mA
*DC Current Gain	hFE1	VCE=5V IC=1A	55		160	
DC Current Gain	hFE2	VCE=5V IC=3A	50			
Collector- Emitter Saturation Voltage	VCE(sat)	Ic=3A IB=0.3A			1.5	V

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