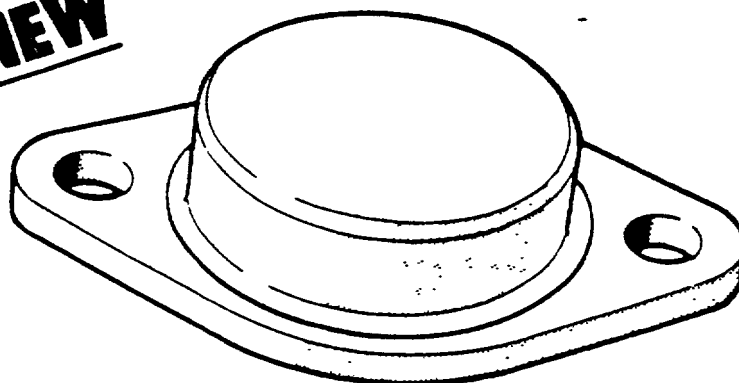


360 - 053

SM 3159

INDUSTRIAL SEMICONDUCTOR MANUFACTURERS

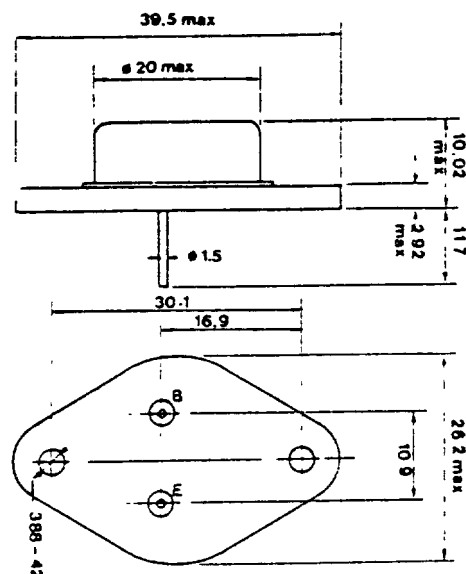
NEW



The SM 3159 is a very High Power Bipolar NPN Transistor intended for Professional Audio and High Energy Switching applications, it offers a unique combination of speed and secondary breakdown

A PNP COMPLIMENT IS AVAILABLE SM3160

TO-3



COLLECTOR CONNECTED TO CASE

ABSOLUTE MAXIMUM RATINGS AT 25°C

VCBO	400	Volts
VCEO	200	Volts
VEBO	5	Volts
IC	20	Amps
PT	200	Watts
Tj	150°C	°C
Tstg	-65-200	°C

CHARACTERISTICS AT 25°C

		MIN.	TYP	MAX.	UNITS
ICB	VCB = 200 Volts			100	Micro Amps
IEBO	VEB = 3 Volts			100	Micro Amps
hFE1	VCE = 5 Volts IC = 50 mA	20	50	200	
hFE2	VCE = 10 Volts IC = 5 Amps	10	15	30	
VCE (sat)	IC = 10 Amps IB = 2 Amps		0.5	1	Volts
VBE (sat)	IC = 10 Amps IB = 1 Amp		1.5	2	Volts
fT	VCE = 10 Volts IC = 1 Amp		10		MHz
COB	VCB = 10 Volts		300		pf
ISB1	VCE = 80 Volts t = 1S	2.5			Amps
Rth				0.6	°C per Watt

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