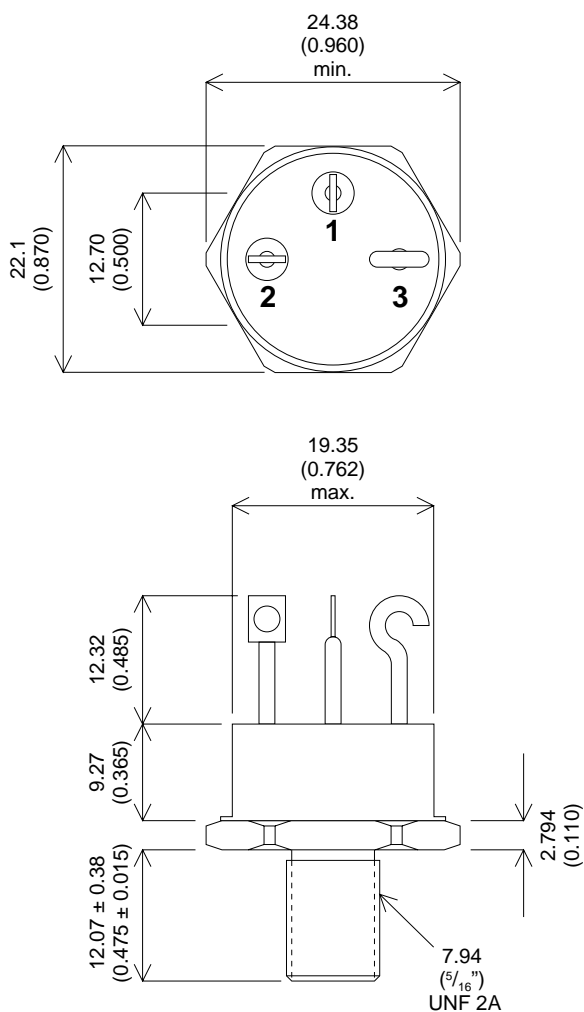


**MECHANICAL DATA**

Dimensions in mm (inches)



**NPN DRIVER TRANSISTOR**

- Bipolar Power Transistor
- TO-63 Hermetic Package
- Fast Switching

**TO-63 Metal Package.**

Pin 1 – Base      Pin 2 – Emitter      Case – Collector

**ABSOLUTE MAXIMUM RATINGS** ( $T_{case} = 25^{\circ}C$  unless otherwise stated)

$V_{CEO}$	Collector – Emitter Voltage	80V
$I_C$	Continuous Collector Current	20A
$P_D$	Total Device Dissipation	150W
	Derate above 100°C	0.67°C/W
$T_{STG}, T_J$	Storage and Operating Junction Temperature Range	-55 to +200°C

Parameter		Test Conditions		Min.	Typ.	Max.	Units
$H_{FE1}$	Current Gain	$V_{CE} = 10V$	$I_C = 1A$	40			—
$H_{FE2}$	Current Gain	$V_{CE} = 10V$	$I_C = 10A$	20			
$h_{fe}$	Current Gain	$V_{CE} = 15V$ $f = 1MHz$	$I_C = 2A$	30			—
$V_{CE(sat)}$	Collector – Emitter Saturation Voltage	$I_C = 5A$	$I_B = 0.5A$			0.5	V
		$I_C = 10A$	$I_B = 1A$			2	
$V_{BE(sat)}$	Base – Emitter Saturation Voltage	$I_C = 5A$	$I_B = 0.5A$			1	V
		$I_C = 10A$	$I_B = 1A$			2	
$t_{on}$	Turn-On Time	$I_C = 10A$				2	$\mu s$
$t_{off}$	Turn-Off Time	$I_{B1} = I_{B2} = 1A$				2	