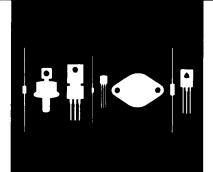
Central Semiconductor Corp. Central Semiconductor Corp. Central ™ Semiconductor Corp.

145 Adams Avenue Hauppauge, New York 11788



2N3641	PN3641
2N3642	PN3642
2N3643	PN3643

JEDEC TO-105 JEDEC TO-92

NPN SILICON SIGNAL TRANSISTORS

2N3642

DESCRIPTION

The CENTRAL SEMICONDUCTOR 2N3641, PN3641 Series types are Silicon NPN Small Signal Transistors designed for general purpose amplifier applications.

2N3641 2N3643 PN3641

MAXIMUM RATINGS (TA=25°C)

		SYMBOL		3643		PN3642		UNIT	
Collector-Base Voltage Collector-Emitter Voltage Emitter-Base Voltage Collector Current		V _{CBO} V _{EBO} I _C	60 30 5.0 500		60 45 5.0 500		V V V mA		
			2N	3641 3642 <u>3643</u>	1	PN3641 PN3642 PN4643			
Power Dissipation Operating and Storage Junction Temperature		P_{D}		350		625			
		T _J , T _{stg}	- 55	TO ⁺ 12	.5 - !	55 TO .	⁺ 150	°c	
ELECTRICAL CHARACTERISTICS (TA=		(T _A =25°C)	2N3641 PN3641		2N3642 PN3642		2N3643 PN3643		
SYMBOL	TEST CONDITIONS		MIN	MAX	MIN	MAX	MIN	MAX	UNIT
ICES BVCBO BVCES BVCEO BVEBO	V _{CE} =50V I _C =10μΑ I _C =10μΑ I _C =10mA I _E =10μΑ		60 60 30 5.0	50	60 60 45 5.0	50	60 60 30 5.0	50	nA V V V
VCE(SAT) hFE hFE	Ic=150mA, I _B =15m, V _{CE} =10V, I _C =150m, V _{CE} =10V, I _C =500m, V _{CE} =5.0V, I _C =50m,	A A	40 15 150	120	40 15 150	120	100 25 250	0.22 300	V MHz
f _T C _{ob}	$V_{CB}=10V$, $f=140kH$	z , R _L =260Ω, f=30MHz,	170	8.0	. , , 0	8.0	250	8.0	pF
Gpe	P _{IN} =40mW	_	10		10		10		dB
n t _{on} t _{off}	P _{1N} =40mW I _C =300mA, I _{B1} =30r I _C =300mA, I _{B1} =1 _{B2}		60	60 150	60	60 150	60	60 150	% ns ns
						_	_		

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