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2N6473 2N6474 NPN
2N6475 2N6476 PNP

COMPLEMENTARY SILICON
SWITCHING TRANSISTORS

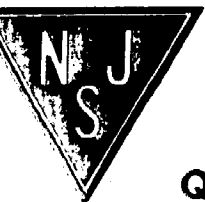
TO-220

MAXIMUM RATINGS (T_C=25°C unless otherwise noted)

	SYMBOL	2N6473	2N6474	UNIT
		2N6475	2N6476	
Collector-Base Voltage	V _{CB0}	110	130	V
Collector-Emitter Voltage (R _{BE} =100Ω)	V _{CER}	110	130	V
Collector-Emitter Voltage	V _{CEO}	100	120	V
Emitter-Base Voltage	V _{EB0}		5.0	V
Collector Current	I _C		4.0	A
Base Current	I _B		2.0	A
Power Dissipation	P _D		40	W
Operating and Storage Junction Temperature	T _J , T _{stg}	-65 TO +150		°C
Thermal Resistance	θ _{JC}	3.125		°C/W

ELECTRICAL CHARACTERISTICS (T_C=25°C unless otherwise noted)

SYMBOL	TEST CONDITIONS	2N6473		2N6474		UNIT
		2N6475	MIN	MAX	MIN	
I _{CEV}	V _{CE} =Rated V _{CEO} , V _{BE} =1.5V			0.1		mA
I _{CEV}	V _{CE} =Rated V _{CEO} , V _{BE} =1.5V, T _C =100°C			2.0		mA
I _{CER}	V _{CE} =Rated V _{CER} , R _{BE} =100Ω			0.1		mA
I _{CER}	V _{CE} =Rated V _{CER} , R _{BE} =100Ω, T _C =100°C			2.0		mA
I _{CEO}	V _{CE} =½ Rated V _{CEO}			1.0		mA
I _{EB0}	V _{BE} =5.0V			1.0		mA
BV _{CEO}	I _C =100mA	100			120	V
BV _{CER}	I _C =100mA, R _{BE} =100Ω	110			130	V
V _{CE(SAT)}	I _C =1.5A, I _B =0.15A			1.2		V
V _{CE(SAT)}	I _C =4.0A, I _B =2.0A			2.5		V
V _{BE(ON)}	V _{CE} =4.0V, I _C =1.5A			2.0		V
V _{BE(ON)}	V _{CE} =2.5V, I _C =4.0A			3.5		V
h _{FE}	V _{CE} =4.0V, I _C =1.5A	15	150		15	150
h _{FE}	V _{CE} =2.5V, I _C =4.0A	2.0			2.0	
h _{fe}	V _{CE} =4.0V, I _C =0.5A, f=50kHz	20			20	
f _T	V _{CE} =4.0V, I _C =0.5A (2N6473, 2N6474)	4.0			4.0	MHz
f _T	V _{CE} =4.0V, I _C =0.5A (2N6475, 2N6476)	5.0			5.0	MHz
C _{ob}	V _{CB} =10V, f=1.0MHz		250		250	pF



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Quality Semi-Conductors