



JOC3H4X Series

Rev.A.1.0

DESCRIPTION:

The JOC3H4X series combine two AlGaAs infrared emitting diodes as the emitter which is optically coupled to a silicon

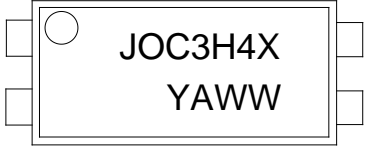
Tc 0.02 Tw5 Td18 -1.5 Td

ELECTRICAL CHARACTERISTICS (Temperature=25°C)

Parameter		Symbol	Condition	Min.	Typ.	Max.	Unit
Input	Forward Voltage	V_F	$I_F=\pm 10\text{mA}$	-	1.24	1.4	V
			$I_F=\pm 20\text{mA}$	-	1.28	1.5	
	Input Capacitance	C_{in}	$V=0,$ $f=1\text{MHz}$	-	10	-	pF
Output	Collector-Emitter dark current	I_{CEO}	$V_{CE}=20\text{V},$ $I_F=0$	-	-	50	nA
	Collector-Emitter breakdown voltage	BV_{CEO}	$I_C=0.1\text{mA}$ $I_F=0$	80	-	-	V
	Emitter-Collector breakdown voltage	BV_{ECO}	$I_E=0.1\text{mA}$ $I_F=0$	6	-	-	V
	Current transfer ratio	CTR'	$I_F=\pm 1\text{mA}$ $V_{CE}=5\text{V}$	20	-	300	%
	Collector-Emitter Saturation Voltage	$V_{CE(sat)}$	$I_F=\pm 20\text{mA}$ $I_C=1\text{mA}$				

Transfer
Characteristics

ORDERING AND MARKING INFORMATION

MARKING INFORMATION	
	<p>JOC : Company Abbr. 3H4: Part Number X : CTR Rank Y : Fiscal Year A : Manufacturing Code WW : Work Week</p>
ORDERING INFORMATION	
<p>JOC3H4X(Z)-G</p>	

JOC- Company Abbr.
 3H4- Part Number
 X- Rank (A/None)
 Z- Tape and Reel Option (T)1

Test Circuits

FIG.11: Test Circuits of Response Time

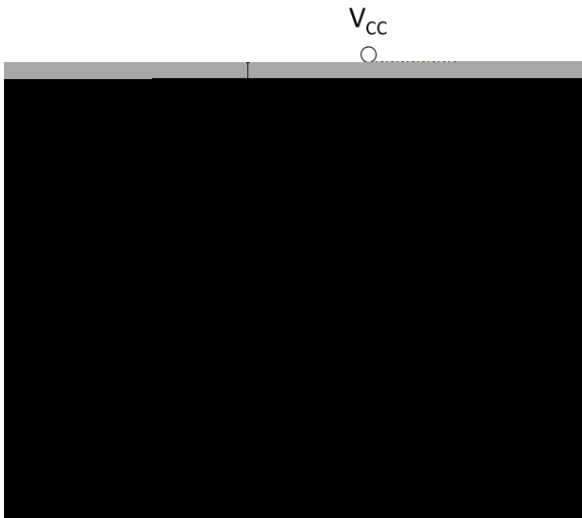


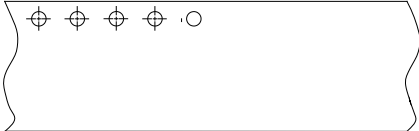
FIG.12: Curves of Response Time



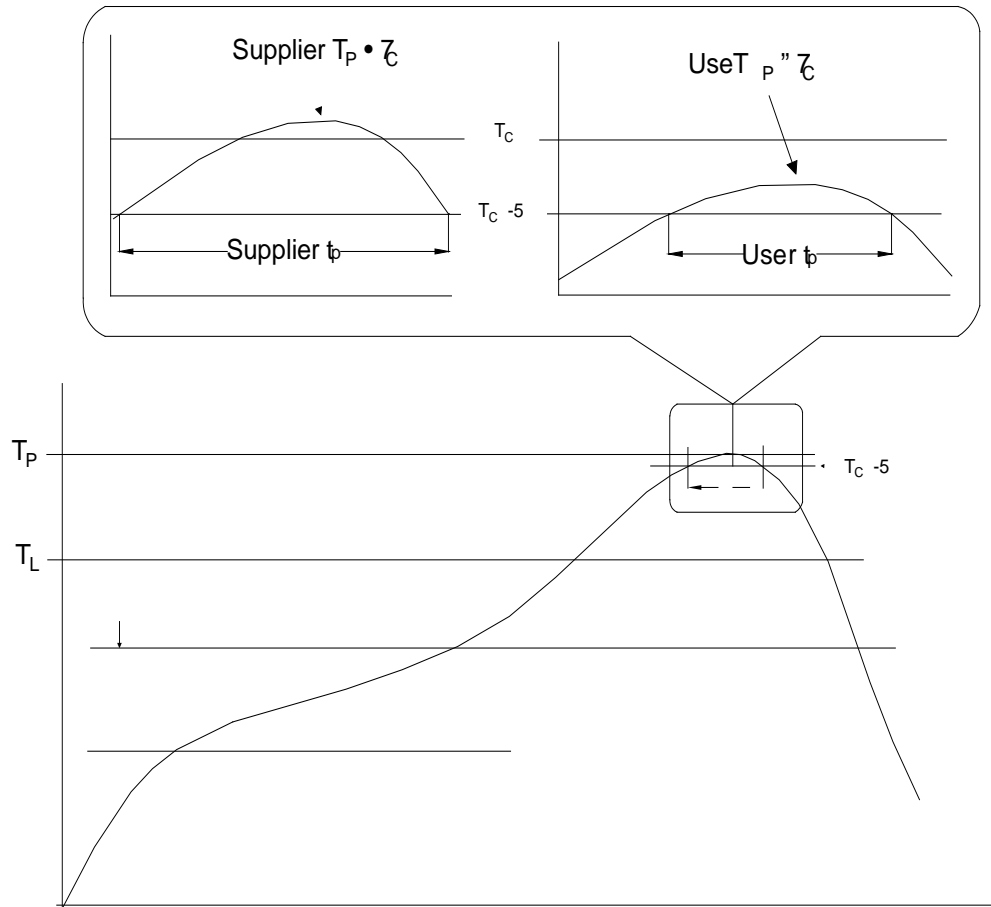
FIG.13: Test Circuits of Frequency Response

CARRIER TAPE SPECIFICATIONS Dimensions in mm unless otherwise stated

Option T1



REFLOW INFORM-9.9-12CTION



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