

PT12-21 series Electro-Optical Characteristics Comparison

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03/17/2022

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PT12-21B/TR8 Electro-Optical Characteristics Comparison

● Datasheet

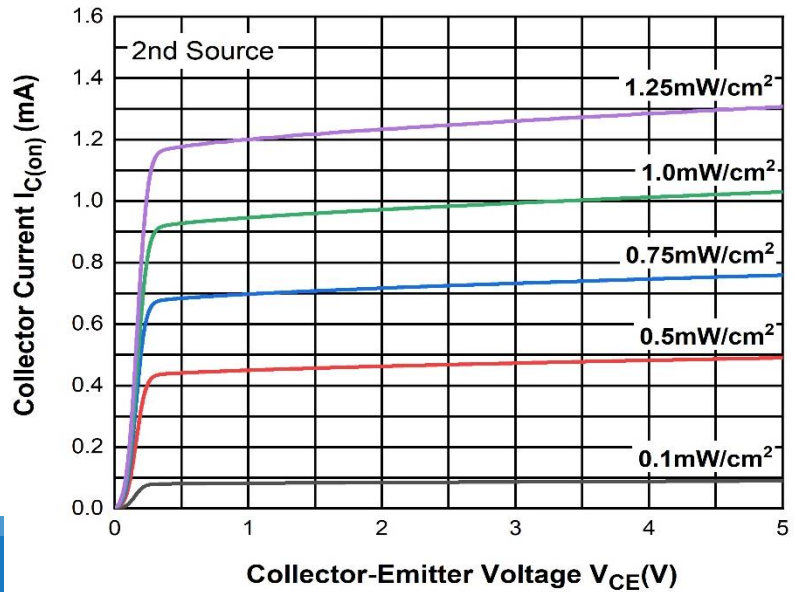
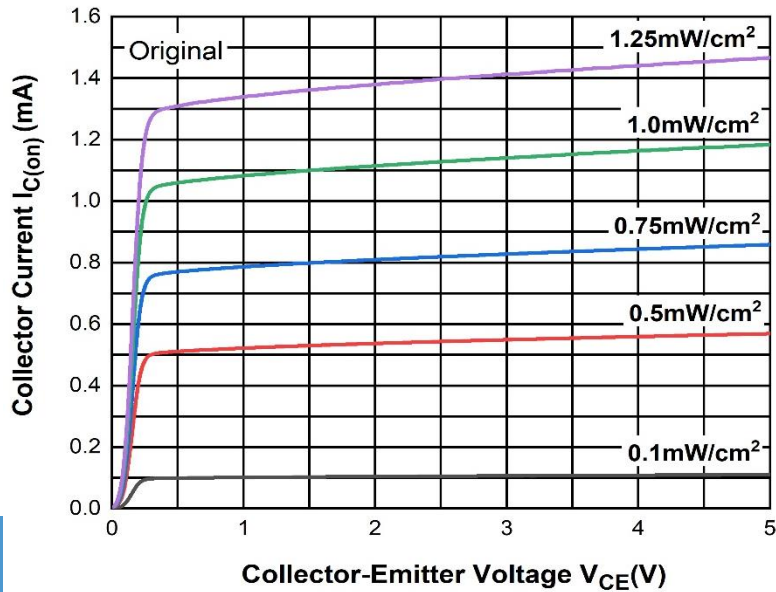
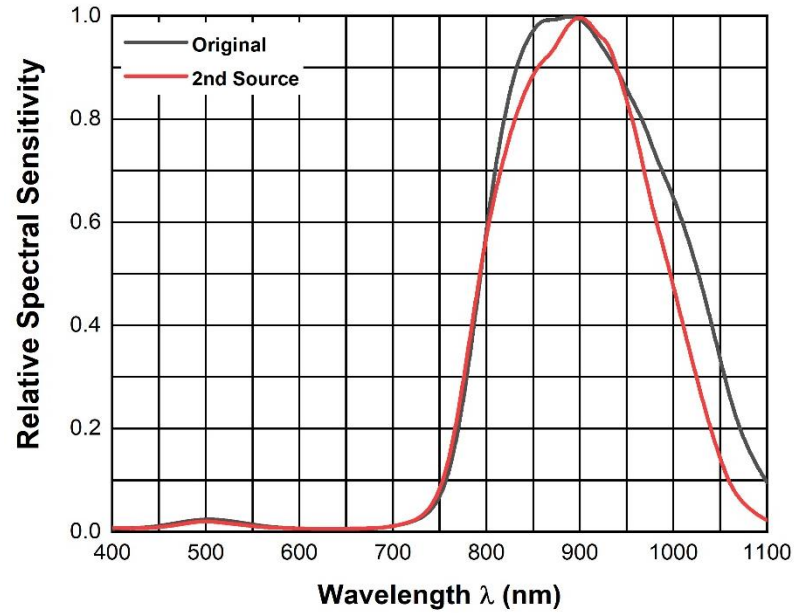
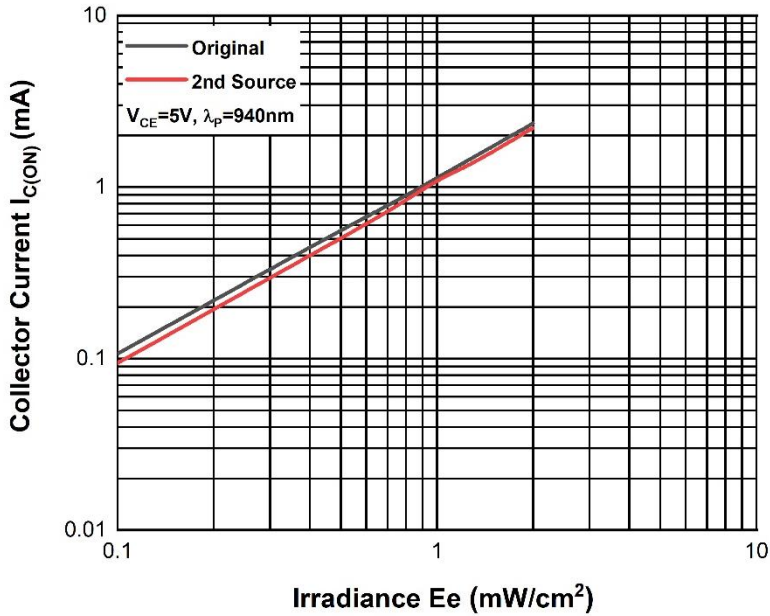
Parameter	Symbol	Min.	Typ.	Max.	Unit	Condition
On State Collector Current	$I_{C(ON)}$	0.30	--	--	mA	$V_{CE}=5V$ $E_e=1mW/cm^2$ $\lambda_p=940nm$
Wavelength Of Peak Sensitivity	λ_p	--	890	--	nm	---
Collector Dark Current	I_{CEO}	--	--	100	nA	$V_{CE}=10V$ $E_e=0mW/cm^2$
Collector-Emitter Breakdown Voltage	BV_{CEO}	30	--	--	V	$I_C=100\mu A$ $E_e=0mW/cm^2$
Emitter-Collector Breakdown Voltage	BV_{ECO}	5	--	--	V	$I_E=100\mu A$ $E_e=0mW/cm^2$

Comparison of Chip appearance



Condition	$I_{C(ON)}$ (mA)	I_{CEO} (nA)	BV_{CEO} (V)	BV_{ECO} (V)
Original	1.13	0.929	155.0	12.22
2 nd Source	1.11	0.381	147.5	10.78

Comparison of electro-optical properties



Thanks for Your Attention.