



Technical data of Limit Switch

Limit Parameters (Ta=25°C)

	Item	Symbol	Value	Unit
Input	Forward current	IF	50	mA
	Reverse voltage	Vr	5	V
	Power dissipation	P	75	mW
Output	Set-to-radio voltage	Vceo	25	V
	Emitter-collector voltage	Veco	5	V
	Collector power consumption	Pc	50	mW
	Working temperature	Topr	-20~65	°C
	Storage temperature	Tstg	-30~75	°C

Photoelectric characteristics (Ta=25°C)

Item		Symbol	Test Conditions	Min	Typical	Max	Unit
Input	Forward pressure drop	V_F	$I_F=20\text{mA}$	-	1.25	1.5	V
	Reverse current	I_R	$V_R=3\text{V}$	-	-	10	μA
Output	Collector shading current	I_{ce0}	$V_{ce}=20\text{V}$	-	-	1	μA
	Collector current	I_L	$V_{ce}=5\text{V}$ $I_F=8\text{mA}$	0.25	-	-	mA
	Saturation pressure drop	V_{CE}	$I_F=8\text{mA}$ $I_c=0.5\text{mA}$	-	-	0.4	V
Transmission characteristics	Response time	T_r	$I_F=20\text{mA}$ $V_{ce}=5\text{V}$	-	10	-	μS
		T_f	$I_{Rc}=100\Omega$	-	10	-	μS
	Transmission ratio	C_{TR}	$I_F=10\text{mA}$ $V_{CE}=10\text{V}$	10			%