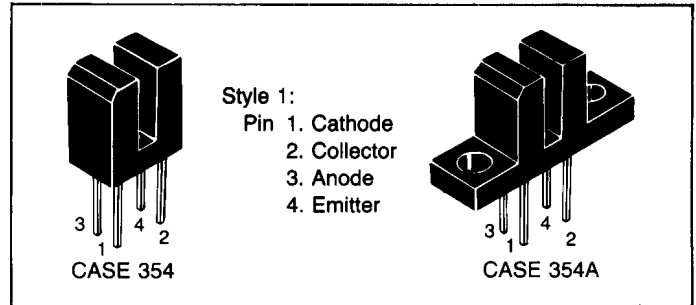


# Couplers/Interrupters

## Slotted Couplers/Interrupter Modules

Slotted couplers consist of an infrared emitting diode facing a photodetector in a molded plastic housing. A slot in the housing between the emitter and the detector provides a means of interrupting the signal. A wide selection of standard and custom housings and detector functions is available. All IREDs and photodetectors in the miniature Case 349 (see Silicon Photodetectors) can be used in these housings.



### Transistor Output ( $V_{(BR)CEO} = 30\text{ V}$ )

Device	Current Transfer Ratio (CTR)			$V_{CE(sat)}$			$t_{on}, t_{off}^*$ Typ				$V_F$		Case
	% Min	@ $I_F$ mA	$V_{CE}$ Volts	Volts Max	@ $I_F$ mA	$I_C$ mA	$\mu s$	$V_{CC}$ Volts	$R_L$ $\Omega$	$I_F$ mA	Volts Max	@ $I_F$ mA	
MOC7811	5.0	20	5.0	0.4	30	1.8	12/60	5.0	2.5K	30	1.8	50	354A Style 1
MOC7812	10	20	5.0	0.4	20	1.8	12/60	5.0	2.5K	30	1.8	50	
MOC7813	20	20	5.0	0.4	20	1.8	12/60	5.0	2.5K	30	1.8	50	
MOC7821	5.0	20	5.0	0.4	30	1.8	12/60	5.0	2.5K	30	1.8	50	354 Style 1
MOC7822	10	20	5.0	0.4	20	1.8	12/60	5.0	2.5K	30	1.8	50	
MOC7823	20	20	5.0	0.4	20	1.8	12/60	5.0	2.5K	30	1.8	50	