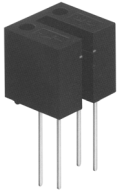


Opto Interrupter

Interrupter

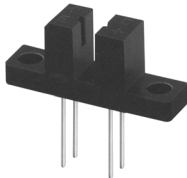


RoHS

TCI Part No.	V _F	I _R	I _{CEO}	I _{C(ON)}	V _{CE(SAT)}	T _R	Outline (mm)			
	(V)	(μ A)	(nA)	(mA)	(V)	(μ sec)	M	N	D	h
TQIN-SS1009-010	I _F =20mA	V _R =5V	V _{CE} =10V	I _F =20mA, V _{CE} =5V	I _C =2mA, Ee=1mw/cm	V _{CE} =5V, I _C =1mA, R _L =1K Ω	10.3	9.22	2.1	9.25
	Max.1.6	Max.10	Max.100	Min.0.9	Max.0.4	Typ.20				

Opto Interrupter

Interrupter

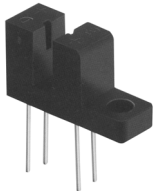


RoHS

TCI Part No.	V _F	I _R	I _{CEO}	I _{C(ON)}	V _{CE(SAT)}	T _R	Outline (mm)			
	(V)	(μ A)	(nA)	(mA)	(V)	(μ sec)	M	N	D	h
TQIL-BTS2506-102	I _F =20mA	V _R =5V	V _{CE} =10V	I _F =20mA, V _{CE} =5V	I _C =2mA, Ee=1mw/cm	V _{CE} =5V, I _C =1mA, R _L =1K Ω	24.4	6.0	3.1	10.4
	Max.1.6	Max.10	Max.100	Min.0.9	Max.0.4	Typ.20				

Opto Interrupter

Interrupter

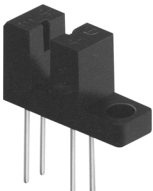


RoHS

TCI Part No.	V _F	I _R	I _{CEO}	I _{C(ON)}	V _{CE(SAT)}	T _R	Outline (mm)			
	(V)	(μ A)	(nA)	(mA)	(V)	(μ sec)	M	N	D	h
TQIL-RTS1906-103	I _F =20mA	V _R =5V	V _{CE} =10V	I _F =10mA, V _{CE} =5V	I _C =2mA, Ee=1mw/cm	V _{CE} =5V, I _C =1mA, R _L =1K Ω	18.2	6.0	3.1	10.8
	Max.1.6	Max.10	Max.100	Min.0.9	Max.0.4	Typ.20				

Opto Interrupter

Interrupter

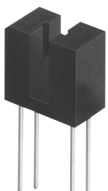


RoHS

TCI Part No.	V _F	I _R	I _{CEO}	I _{C(ON)}	V _{CE(SAT)}	T _R	Outline (mm)			
	(V)	(μ A)	(nA)	(mA)	(V)	(μ sec)	M	N	D	h
TQIL-LTS1906-104	I _F =20mA	V _R =5V	V _{CE} =10V	I _F =10mA, V _{CE} =5V	I _C =2mA, Ee=1mw/cm	V _{CE} =5V, I _C =1mA, R _L =1K Ω	18.2	6.0	3.1	10.6
	Max.1.6	Max.10	Max.100	Min.0.9	Max.0.4	Typ.20				

Opto Interrupter

Interrupter

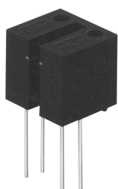


RoHS

TCI Part No.	V _F	I _R	I _{CEO}	I _{C(ON)}	V _{CE(SAT)}	T _R	Outline (mm)			
	(V)	(uA)	(nA)	(mA)	(V)	(u sec)	M	N	D	h
TQIN-TS1006-105	I _F =20mA	V _R =5V	V _{CE} =10V	I _F =10mA, V _{CE} =5V	I _C =2mA, Ee=1mw/cm	V _{CE} =5V, I _C =1mA, R _L =1KΩ	9.6	5.6	2.6	9.0
	Max.1.6	Max.10	Max.100	Min.1.0	Max.0.4	Typ.20				

Opto Interrupter

Interrupter

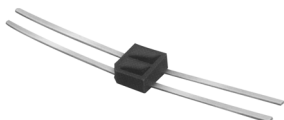


RoHS

TCI Part No.	V _F	I _R	I _{CEO}	I _{C(ON)}	V _{CE(SAT)}	T _R	Outline (mm)			
	(V)	(uA)	(nA)	(mA)	(V)	(u sec)	M	N	D	h
TQIN-SS1009-117	I _F =20mA	V _R =5V	V _{CE} =10V	I _F =20mA, V _{CE} =5V	I _C =2mA, Ee=1mw/cm	V _{CE} =5V, I _C =1mA, R _L =1KΩ	11	8.5	2.1	9.5
	Max.1.6	Max.10	Max.100	Min.0.5	Max.0.4	Typ.20				

Opto Interrupter

Interrupter

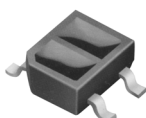


RoHS

TCI Part No.	V _F	I _R	I _{CEO}	I _{C(ON)}	V _{CE(SAT)}	T _R	Outline (mm)			
	(V)	(uA)	(nA)	(mA)	(V)	(u sec)	M	N	H	L
TQIN-TR0304-307	I _F =20mA	V _R =5V	V _{CE} =10V	I _F =20mA, V _{CE} =5V	I _C =2mA, Ee=1mw/cm	V _{CE} =5V, I _C =1mA, R _L =1KΩ	3.4	2.7	1.5	21.7
	Max.1.6	Max.10	Max.100	Min.0.1	Max.0.4	Typ.20				

Opto Interrupter

Interrupter



RoHS

TCI Part No.	V _F	I _R	I _{CEO}	I _{C(ON)}	V _{CE(SAT)}	T _R	Outline (mm)			
	(V)	(uA)	(nA)	(mA)	(V)	(u sec)	M	N	D	h
TQIN-TR0304-307T	I _F =20mA	V _R =5V	V _{CE} =10V	I _F =20mA, V _{CE} =5V	I _C =2mA, Ee=1mw/cm	V _{CE} =5V, I _C =1mA, R _L =1KΩ	3.4	2.7	1.3	1.5
	Max.1.6	Max.10	Max.100	Min.0.1	Max.0.4	Typ.20				

Opto Interrupter

Interrupter

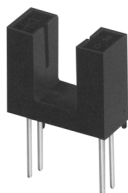


RoHS

TCI Part No.	V _F	I _R	I _{CEO}	I _{C(ON)}	V _{CE(SAT)}	T _R	Outline (mm)			
	(V)	(uA)	(nA)	(mA)	(V)	(u sec)	M	N	D	h
TQIN-TR0304-307F	I _F =20mA	V _R =5V	V _{CE} =10V	I _F =20mA, V _{CE} =5V	I _C =2mA, Ee=1mw/cm	V _{CE} =5V, I _C =1mA, R _L =1KΩ	3.4	2.7	1.8	1.5
	Max.1.6	Max.10	Max.100	Min.0.1	Max.0.4	Typ.20				

Opto Interrupter

Interrupter

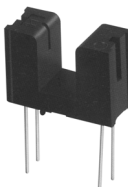


RoHS

TCI Part No.	V _F	I _R	I _{CEO}	I _{C(ON)}	V _{CE(SAT)}	T _R	Outline (mm)			
	(V)	(uA)	(nA)	(mA)	(V)	(u sec)	M	N	D	h
TQIN-TS1406-402A	I _F =20mA	V _R =5V	V _{CE} =10V	I _F =20mA, V _{CE} =5V	I _C =2mA, Ee=1mw/cm	V _{CE} =5V, I _C =1mA, R _L =1KΩ	14	6.0	6.0	11.6
	Max.1.5	Max.10	Max.100	Min.0.5	Max.0.4	Typ.15				

Opto Interrupter

Interrupter

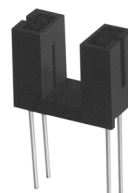


RoHS

TCI Part No.	V _F	I _R	I _{CEO}	I _{C(ON)}	V _{CE(SAT)}	T _R	Outline (mm)			
	(V)	(uA)	(nA)	(mA)	(V)	(u sec)	M	N	D	h
TQIN-TS1406-606	I _F =20mA	V _R =5V	V _{CE} =10V	I _F =20mA, V _{CE} =5V	I _C =2mA, Ee=1mw/cm	V _{CE} =5V, I _C =1mA, R _L =1KΩ	14	6.0	5.0	10
	Max.1.5	Max.10	Max.100	Min.0.5	Max.0.4	Typ.15				

Opto Interrupter

Interrupter

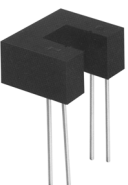


RoHS

TCI Part No.	V _F	I _R	I _{CEO}	I _{C(ON)}	V _{CE(SAT)}	T _R	Outline (mm)			
	(V)	(uA)	(nA)	(mA)	(V)	(u sec)	M	N	D	h
TQIN-TS1306-608	I _F =20mA	V _R =5V	V _{CE} =10V	I _F =20mA, V _{CE} =5V	I _C =2mA, Ee=1mw/cm	V _{CE} =5V, I _C =1mA, R _L =1KΩ	13	6.0	5.0	10
	Max.1.5	Max.10	Max.100	Min.0.5	Max.0.4	Typ.15				

Opto Interrupter

Interrupter

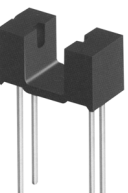


RoHS

TCI Part No.	V _F	I _R	I _{CEO}	I _{C(ON)}	V _{CE(SAT)}	T _R	Outline (mm)			
	(V)	(uA)	(nA)	(mA)	(V)	(u sec)	M	N	D	h
TQIN-SS1306-702	I _F =20mA	V _R =5V	V _{CE} =10V	I _F =20mA, V _{CE} =5V	I _C =2mA, Ee=1mw/cm	V _{CE} =5V, I _C =1mA, R _L =1KΩ	13	11	5.0	6.0
	Max.1.6	Max.10	Max.100	Min.0.5	Max.0.4	Typ.20				

Opto Interrupter

Interrupter

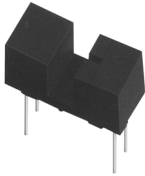


RoHS

TCI Part No.	V _F	I _R	I _{CEO}	I _{C(ON)}	V _{CE(SAT)}	T _R	Outline (mm)			
	(V)	(uA)	(nA)	(mA)	(V)	(u sec)	M	N	D	h
TQIN-TS1306-707	I _F =20mA	V _R =5V	V _{CE} =10V	I _F =20mA, V _{CE} =5V	I _C =2mA, Ee=1mw/cm	V _{CE} =5V, I _C =1mA, R _L =1KΩ	12.8	6.4	5.2	6.9
	Max.1.5	Max.10	Max.100	Min.0.5	Max.0.4	Typ.20				

Opto Interrupter

Interrupter

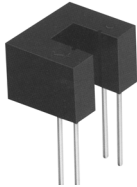


RoHS

TCI Part No.	V _F	I _R	I _{CEO}	I _{C(ON)}	V _{CE(SAT)}	T _R	Outline (mm)			
	(V)	(uA)	(nA)	(mA)	(V)	(u sec)	M	N	D	h
TQIN-TS1306-803	I _F =20mA	V _R =5V	V _{CE} =10V	I _F =20mA, V _{CE} =5V	I _C =2mA, Ee=1mw/cm	V _{CE} =5V, I _C =1mA, R _L =1KΩ	13.8	6.0	3.1	8.8
	Max.1.6	Max.10	Max.100	Min.0.5	Max.0.4	Typ.20				

Opto Interrupter

Interrupter

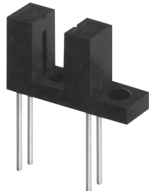


RoHS

TCI Part No.	V _F	I _R	I _{CEO}	I _{C(ON)}	V _{CE(SAT)}	T _R	Outline (mm)			
	(V)	(uA)	(nA)	(mA)	(V)	(u sec)	M	N	D	h
TQIN-SS1306-809	I _F =20mA	V _R =5V	V _{CE} =10V	I _F =20mA, V _{CE} =5V	I _C =2mA, Ee=1mw/cm	V _{CE} =5V, I _C =1mA, R _L =1KΩ	13	11	5.0	8.0
	Max.1.6	Max.10	Max.100	Min.1.0	Max.0.4	Typ.20				

Opto Interrupter

Interrupter

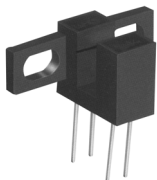


RoHS

TCI Part No.	V _F	I _R	I _{CEO}	I _{C(ON)}	V _{CE(SAT)}	T _R	Outline (mm)			
	(V)	(uA)	(nA)	(mA)	(V)	(u sec)	M	N	D	h
TQIL-RTS2006-813	I _F =10mA	V _R =5V	V _{CE} =10V	I _F =10mA, V _{CE} =2V	I _C =15mA, Ee=1mw/cm	V _{CE} =5V, I _C =1mA, R _L =1KΩ	20.1	6.2	5.0	11
	Max.1.6	Max.10	Max.1000	Min.4.0	Max.1.0	Typ.50				

Opto Interrupter

Interrupter

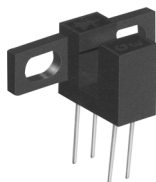


RoHS

TCI Part No.	V _F	I _R	I _{CEO}	I _{C(ON)}	V _{CE(SAT)}	T _R	Outline (mm)			
	(V)	(uA)	(nA)	(mA)	(V)	(u sec)	M	N	D	h
TQIL-BTS2413-005	I _F =20mA	V _R =5V	V _{CE} =10V	I _F =20mA, V _{CE} =5V	I _C =2mA, Ee=1mw/cm	V _{CE} =5V, I _C =1mA, R _L =1KΩ	12.95	6.35	3.8	10.54
	Max.1.6	Max.10	Max.100	Min.0.5	Max.0.4	20				

Opto Interrupter

Interrupter

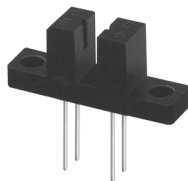


RoHS

TCI Part No.	V _F	I _R	I _{CEO}	I _{C(ON)}	V _{CE(SAT)}	T _R	Outline (mm)			
	(V)	(uA)	(nA)	(mA)	(V)	(u sec)	M	N	D	h
TQIL-BTS2413-006	I _F =20mA	V _R =5V	V _{CE} =10V	I _F =20mA, V _{CE} =5V	I _C =2mA, E _e =1mw/cm	V _{CE} =5V, I _C =1mA, R _L =1KΩ	12.95	6.35	3.8	10.54
	Max.1.6	Max.10	Max.100	Min.0.5	Max.0.4	20				

Optical Interrupter Switches

Interrupter

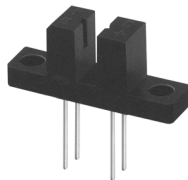


RoHS

TCI Part No.	Test Conditions		On-State Collector Current (mA)		BV _{CEO} Min. (V)	Lead Spacing Typical	Aperture Width		Outline (mm)			
	I _F	V _{CE}										
	(mA)	(V)	Min.	Max.								
TQIL-BTS2506-CNY28	20	5.0	0.02	-	30	0.284	0.035"	0.035"	24.7	6.25	3.0	11
TQIL-BTS2506-CNY29	20	5.0	2.5	-	25	0.284	0.035"	0.035"	24.5	6.25	3.15	10.85
TQIL-BTS2506-H21A6	20	5.0	4.0	-	55	0.284	0.035"	0.035"	24.7	6.25	3.0	11
TQIL-BTS2506-H21B1	10	1.5	7.5	-	30	0.284	0.035"	0.035"	24.5	6.25	3.15	10.85
TQIL-BTS2506-H21B6	10	1.5	25	-	55	0.284	0.035"	0.035"	24.5	6.25	3.15	10.85

Optical Interrupter Switches/Phototransistor Output

Interrupter

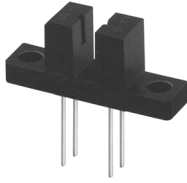


RoHS

TCI Part No.	Test Conditions		On-State Collector Current (mA)		BV _{CEO} Min. (V)	Lead Spacing Typical	Aperture Width		Outline (mm)			
	I _F	V _{CE}					LED	Sensor	M	N	D	h
	(mA)	(V)	Min.	Max.								
TQIL-BTS2506-O860T11	20	5.0	0.5	-	30	0.32	0.01"	0.01"	24.64	6.35	3.17	10.79
TQIL-BTS2506-O860T51	20	5.0	0.5	-	30	0.32	0.05"	0.01"	24.64	6.35	3.17	10.79
TQIL-BTS2506-O860T55	20	5.0	0.5	-	30	0.32	0.05"	0.05"	24.64	6.35	3.17	10.79
TQIL-BTS2506-O861T51	10	5.0	1.0	-	30	0.32	0.05"	0.01"	24.64	6.35	3.17	10.79
TQIL-BTS2506-O862T55	20	0.6	1.8	-	30	0.32	0.05"	0.05"	24.64	6.35	3.17	10.79
TQIL-BTS2506-O865T11	20	5.0	0.5	-	30	0.22	0.01"	0.01"	24.64	6.35	3.17	10.79
TQIL-BTS2506-O865T51	20	5.0	0.5	-	30	0.22	0.05"	0.01"	24.64	6.35	3.17	10.79
TQIL-BTS2506-O867T55	20	0.6	1.8	-	30	0.22	0.05"	0.05"	24.64	6.35	3.17	10.79
TQIL-BTS2506-Q11123	20	5.0	0.2	-	30	0.22	0.01"	0.01"	24.64	6.35	3.17	10.79
TQIL-BTS2506-Q11223	20	5.0	0.2	-	30	0.3	0.05"	0.01"	24.64	6.35	3.17	10.79
TQIL-BTS2506-Q11224	20	5.0	0.5	-	30	0.3	0.05"	0.01"	24.64	6.35	3.17	10.79
TQIL-BTS2506-Q11323	20	5.0	0.2	-	30	0.32	0.05"	0.01"	24.64	6.35	3.17	10.79
TQIL-BTS2506-Q11324	20	5.0	0.5	-	30	0.32	0.05"	0.01"	24.64	6.35	3.17	10.79
TQIL-BTS2506-Q11133	20	5.0	0.5	-	30	0.22	0.05"	0.05"	24.64	6.35	3.17	10.79
TQIL-BTS2506-Q11233	20	5.0	0.5	-	30	0.3	0.05"	0.05"	24.64	6.35	3.17	10.79
TQIL-BTS2506-Q11333	20	5.0	0.5	-	30	0.22	0.05"	0.05"	24.64	6.35	3.17	10.79
TQIL-BTS2506-Q21113	20	5.0	0.1	-	30	0.22	0.01"	0.01"	24.64	6.35	3.17	10.79
TQIL-BTS2506-Q21213	20	5.0	0.1	-	30	0.3	0.01"	0.01"	24.64	6.35	3.17	10.79
TQIL-BTS2506-Q21214	20	5.0	0.2	-	30	0.3	0.01"	0.01"	24.64	6.35	3.17	10.79
TQIL-BTS2506-Q21313	20	5.0	0.1	-	30	0.32	0.01"	0.01"	24.64	6.35	3.17	10.79
TQIL-BTS2506-Q21314	20	5.0	0.2	-	30	0.32	0.01"	0.01"	24.64	6.35	3.17	10.79

Optologic Optical Interrupter Switches

Interrupter

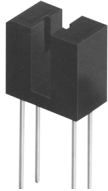


RoHS

TCI Part No.	Output Configuration	Positive Threshold $I_{F(+)}$	Hysteresis Ratio Typical	Operating Supply Voltage	ICC Supply Current	Outline (mm)			
		Max. (mA)	$I_{F(+)} / I_{F(-)}$	(V _{CC})	Max. (mA)	M	N	D	h
TQIL-BTS2506-H21LOI	Inverter Open Collector	15	1.2	4.5 - 16	12	24.5	6.25	3.15	13.95

Optical Interrupter Switches/Phototransistor Output

Interrupter

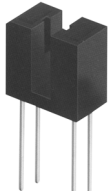


RoHS

TCI Part No.	Test Conditions		On-State Collector Current (mA)		BV _{CEO} Min. (V)	Lead Spacing Typical	Aperture Width		Outline (mm)			
	I _F	V _{CE}					LED	Sensor	M	N	D	h
	(mA)	(V)	Min.	Max.								
TQIN-TS1206-H22A2	20	5.0	2.0	-	30	0.284	0.035"	0.035"	12	6.0	3.0	11
TQIN-TS1206-H22A3	20	5.0	4.0	-	30	0.284	0.035"	0.035"	12	6.0	3.0	11
TQIN-TS1206-H22A4	20	5.0	1.0	-	55	0.284	0.035"	0.035"	12	6.0	3.0	11
TQIN-TS1206-H22A5	20	5.0	2.0	-	55	0.284	0.035"	0.035"	12	6.0	3.0	11

Optical Interrupter Switches/Photodarlington Output

Interrupter

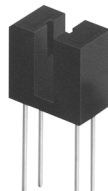


RoHS

TCI Part No.	Test Conditions		On-State Collector Current (mA)		BV _{CEO} Min. (V)	Lead Spacing Typical	Aperture Width		Outline (mm)			
	I _F	V _{CE}					LED	Sensor	M	N	D	h
	(mA)	(V)	Min.	Max.								
TQIN-TS1206-H22B1	10	1.5	7.5	-	30	0.284	0.035"	0.035"	1.79	6.25	3.15	10.85

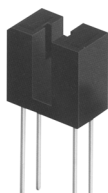
Optical Interrupter Switches/Phototransistor Output

Interrupter



RoHS

TCI Part No.	Test Conditions		On-State Collector Current (mA)		BV _{CEO} Min. (V)	Lead Spacing Typical	Aperture Width		Outline (mm)			
	I _F	V _{CE}					LED	Sensor	M	N	D	h
	(mA)	(V)										
TQIN-TS1206-O804	20	5.0	0.5	-	30	0.3	0.08"	0.08"	12.7	6.35	3.81	11.68



RoHS

TCI Part No.	Test Conditions		On-State Collector Current (mA)		BV _{CEO} Min. (V)	Lead Spacing Typical	Aperture Width		Outline (mm)			
	I _F	V _{CE}					LED	Sensor	M	N	D	h
	(mA)	(V)	Min.	Max.								
TQIN-TS1206-O860N11	20	5.0	0.5	-	30	0.32	0.01"	0.01"	12.32	6.35	3.18	10.79
TQIN-TS1206-O860N51	20	5.0	0.5	-	30	0.32	0.05"	0.05"	12.32	6.35	3.18	10.79
TQIN-TS1206-O861N51	10	5.0	1.0	-	30	0.32	0.05"	0.01"	12.32	6.35	3.18	10.79
TQIN-TS1206-O861N55	10	5.0	1.0	-	30	0.32	0.05"	0.05"	12.32	6.35	3.18	10.79
TQIN-TS1206-O862N51	20	0.6	1.8	-	30	0.32	0.05"	0.05"	12.32	6.35	3.18	10.79
TQIN-TS1206-O866N51	10	5.0	1.0	-	30	0.22	0.05"	0.01"	12.32	6.35	3.18	10.79
TQIN-TS1206-O866N55	10	5.0	1.0	-	30	0.22	0.05"	0.05"	12.32	6.35	3.18	10.79
TQIN-TS1206-O867N51	20	0.6	1.8	-	30	0.22	0.05"	0.01"	12.32	6.35	3.18	10.79
TQIN-TS1206-O867N55	20	0.6	1.8	-	30	0.22	0.05"	0.05"	12.32	6.35	3.18	10.79