

## Broadcom Optocouplers

### UL Table of Maximum Ratings

### Electrical Ratings per Channel (at 25°C Ambient)

See the [legend](#) that follows this table for data sheet parameter references [a] to [f].

Model <sup>a</sup>	Current (mA)		Power (mW)		Isolation Voltage (AC)	Max Operating (Case) Temp (°C)	Max Junction Temp(°C)	Max Storage Temp(°C)
	Emitter	Sensor	Emitter	Sensor				
M21L	[a]	[b]	14 at 10MBd	20 at 10MBd	[e]	120	125	[f]
M43T	[a]	[b]	[c]	[d]	[e]	125	139	[f]
M43U	[a]	[b]	[c]	[d]	[e]	125	139	[f]
M46T	[a]	[b]	35	85	[e]	125	142	[f]
M46U	[a]	[b]	35	85	[e]	125	142	[f]
M49T	[a]	[b]	[c]	[d]	[e]	125	139	[f]
M49U	[a]	[b]	[c]	[d]	4000	125	139	[f]
M50L	[a]	[b]	[c]	[d]	[e]	110	125	[f]
M51L	[a]	[b]	[c]	[d]	[e]	110	125	[f]
M60L	[a]	[b]	37	[d]	[e]	110	125	[f]
M61L	[a]	[b]	[c]	[d]	[e]	120	125	[f]
M61T	[a]	[b]	[c]	[d]	[e]	125	142	[f]
M61U	[a]	[b]	[c]	[d]	[e]	125	142	[f]
M62L	[a]	[b]	[c]	[d]	[e]	120	125	[f]
M71T	[a]	15	30	40	[e]	125	142	142
M71U	[a]	15	30	40	4000	125	142	142
M72T	[a]	15	30	40	[e]	125	142	142
M72U	[a]	15	30	40	4000	125	142	142
M75L	20	[b]	35	55	[e]	110	125	[f]
M225	[a]	[b]	[c]	[d]	[e]	120	125	[f]
M452	[a]	[b]	[c]	[d]	[e]	110	125	[f]
M453	[a]	[b]	[c]	[d]	[e]	110	125	[f]
M454	[a]	[b]	[c]	[d]	[e]	110	125	[f]
M456	[a]	[b]	45	[d]	[e]	110	125	[f]
M483	[a]	[b]	17	85	[e]	110	125	[f]

Model <sup>a</sup>	Current (mA)		Power (mW)		Isolation Voltage (AC)	Max Operating (Case) Temp (°C)	Max Junction Temp(°C)	Max Storage Temp(°C)
	Emitter	Sensor	Emitter	Sensor				
M484	[a]	[b]	17	85	[e]	110	125	[f]
M600	[a]	[b]	37	[d]	[e]	110	125	[f]
M601	[a]	[b]	37	[d]	[e]	110	125	[f]
M611	[a]	[b]	37	[d]	[e]	110	125	[f]
M700	[a]	[b]	70	85	[e]	110	125	[f]
M701	[a]	[b]	70	85	[e]	110	125	[f]
P480	[a]	[b]	15	560	[e]	110	125	[f]
ACML-74XX	40	40	240 at 100MBd	240 at 100MBd	[e]	125	150	[f]

a. May prefix with letters ACPL- or HCPL-.

### Refer to product data sheet section:

[a] Absolute Maximum Ratings, parameter Forward Input Current  $I_F$ .

[b] Absolute Maximum Ratings, parameter Output Current  $I_O$ .

[c] Absolute Maximum Ratings, parameter Input Power Dissipation  $P_I$ .

[d] Absolute Maximum Ratings, parameter Output Power Dissipation  $P_O$ .

[e] Package Characteristics, parameter Input-Output Momentary Withstand Voltage  $V_{ISO}$ .

[f] Absolute Maximum Ratings, parameter Storage Temperature  $T_S$ .

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