



Xvive Co.,Ltd

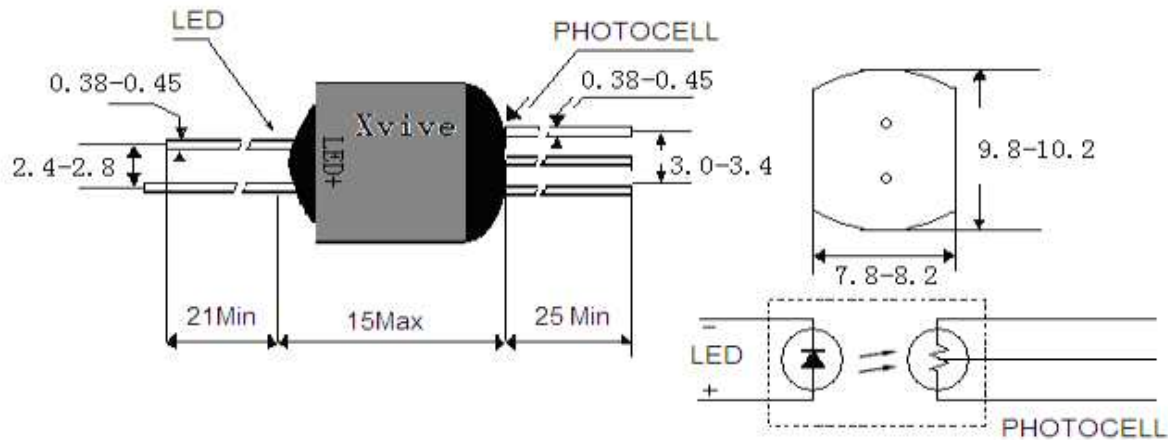
This datasheet courtesy of



Xvive VTL5C3/2 Dual Element Opto-Isolator

The Xvive VTL5C3/2 features high isolation, steep slope, good dynamic range, low drive current, and small light history memory. Ideal for use in stereo audio limiting, compression, remote gain control and many other applications.

(Units: mm)



Symbol	Parameter	Min	Typ	Max	Units	TestConditions
LED						
IF	Forward Current			40	mA	(Derate Linearly to 0 at 75°C)
VF	Forward Voltage			2.5	V	IF = 16 mA
IR	Reverse Current			100	μA	VR=3.8V
Cell						
VC	Maximum Cell Voltage			60	V	(Peak AC or DC)
PD	Power Dissipation			50	mW	(Derate Linearly to 0 at 75°C)
Coupled						
RON	On Resistance		6.0		KΩ	IF = 0.5mA**
ROFF	Off Resistance	10.0			MΩ	10sec after I=0.3Vdc on cell
TR	Rise Time			3.0	msec	Time to 63% of final conductance @ IF = 16 mA ***
TF	Decay Time			50	msec	Time to 100KΩ after removal of input @ IF = 16 mA
	Cell Temp Coefficient		1.0		%°C	IF >5 mA

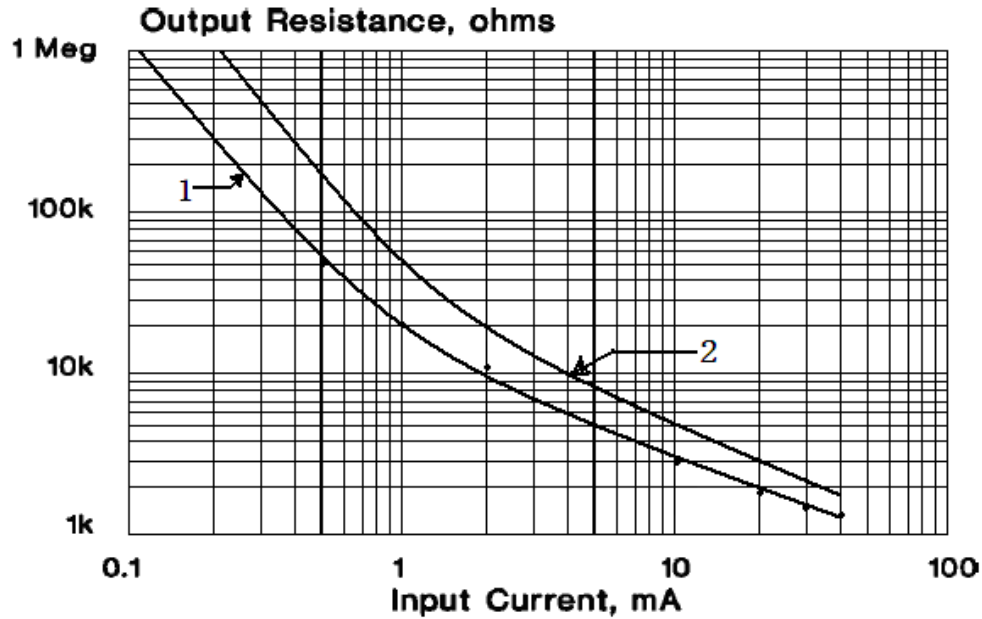
* 2mm from case for < 5 sec

** Measured after a dark history of 1 week

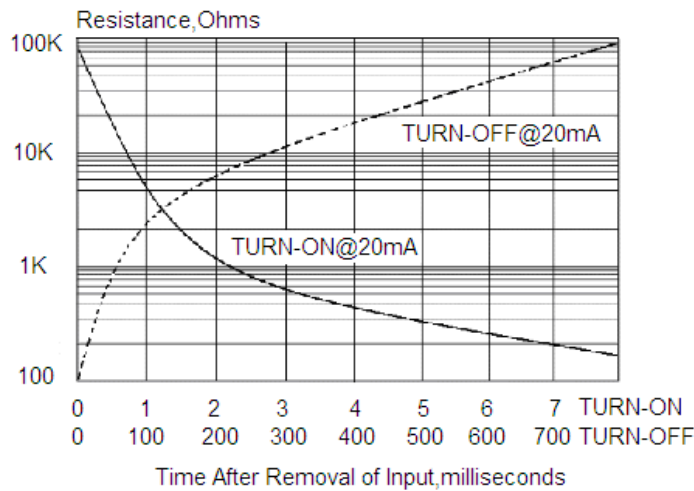
*** Rise time is the time for the dark change in conductance to reach 63% of its final value

Storage temperature: -30 to +80°C
 Operating temperature: -30 to +80°C
 Soldering temperature: 260°C < 10s
 Isolation voltage: 2000V

Output Resistance vs. Forward Current



Rise/Fall Time vs. Load Resistance



LED Forward Current vs. Forward Voltage

