

INFRARED COMMUNICATION SOLUTIONS

IR Transmitter Specification

The IR transmitter takes RS232 or USB input signal and converts into return to J2799 format. It transmits the signal in infrared.

Specification description	Value	Unit	Remarks
Signal input			
Format	RS232 or USB		NRZ
Power input			
Voltage (typ)	5	V	
Voltage (min)	3.5	V	
Current (typ)	140	mA	
Current (peak)	200	mA	
Absolute maximum			
Power voltage in	16	V	
Data voltage	+/- 25	V	
Signal output			
Format	J2799 Infrared		
Peak wavelength	890	nm	
Angle of transmit	+/- 60	Degrees	
Form factor			
Length	45	mm	
Width	24	mm	
Height	13	mm	
Weight	50	g	
Housing material	Delrin or POM		
Operation temperature	-40 to 80C		
Ingress protection	IP66		
Certification	None		
Output connector type			
RS232 Pin out	DB 15M		7 Gnd; 2 TXD; 1 +5V
USB Pinout	USB Female		BLk Gnd; Org Txd; Red 5V

Ordering information		
200081	IR Signal transmitter	For TSG Configuration 1 and 2
200400	IR Signal Transmitter Class 1 Division 2 certified	For TSG Configuration 1 and 2
200410	IR Signal transmitter-USB, Class 1 Division 2 certified	For TSG Configuration 3

Contact Information

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All specifications subject to change without notice.