

INFRARED COMMUNICATION SOLUTIONS

IR Transmitter Mini Specification

The IR Transmitter Mini is intended for use on a vehicle. It takes RS232 or RS485 input signal and converts to J2799 format. It transmits the signal in infrared.

Specification Description	Value	Unit	Remarks
Signal input			
Format	RS232 or RS485		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	Aluminum		
Operation temperature	-40 to 85	C	
Ingress protection	IP66		
Certification	None		
Input connector type			
RS232 Pin out	Deutsch:DT06-3S-EE4; metal contact 0462-201-16141		A: +5V; B:TXD; C: GND
RS485 Pin out	Deutsch:DT06-4S-E004; metal contact 0462-201-16141		1: +5V; 2: Data+; 3:Data -; 4: GND

Ordering information		
200670	IR TX mini RS232-30 cm cable	
200680	IR TX Mini RS485-30 cm cable	

Contact Information

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All specifications subject to change without notice.