

# 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
<b>Signal input</b>			
Format	RS232 or RS485		NRZ
<b>Power input</b>			
Voltage (typ)	5	V	
Voltage (min)	3.5	V	
Current (typ)	140	mA	
Current (peak)	200	mA	
<b>Absolute maximum</b>			
Power voltage in	16	V	
Data voltage	+/- 25	V	
<b>Signal output</b>			
Format	J2799 Infrared		
Peak wavelength	890	nm	
Angle of transmit	+/- 60	Degrees	
<b>Form factor</b>	Rectangular		
Length	45	mm	
Width	24	mm	
Height	13	mm	
<b>Weight</b>	50	g	
<b>Housing material</b>	Aluminum		
<b>Operation temperature</b>	-40 to 80	C	
<b>Ingress protection</b>	IP66		
<b>Certification</b>	None		
<b>Input connector type</b>			
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.